



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

US EPA RECORDS CENTER REGION 5



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May 2, 2016

CERTIFIED MAIL #70142120000159325473

Mr. Jim Kaster
First Presbyterian Church
20 S. Walnut St.
Troy, Ohio 45373

Re: Troy Well Field Unknown Source
Remediation Response
Correspondence
Remedial Response
Miami County
555001353008

Subject: Ohio EPA Indoor Air and Sub-Slab Vapor Sample Results –
First Presbyterian Church, 20 S. Walnut St.

Dear Mr. Kaster:

I am writing to inform you of the results of environmental samples collected on March 29 and 30, 2016 from the First Presbyterian Church, 20 S. Walnut St. in Troy. The church lies over an area of contaminated ground water from operations at a former dry cleaning facility, previously located at 10 E. Main St. The church was sampled to determine whether vapors from contaminated soils or ground water are impacting indoor air quality above acceptable human health exposure levels.

Ohio Environmental Protection Agency (Ohio EPA) performed sub-slab vapor (below the concrete floor), indoor air and outdoor air sampling. The samples were sent to an Ohio EPA contract laboratory where they were analyzed for volatile organic compounds (VOCs), particularly the industrial solvents tetrachloroethene (PCE) and the degradation product trichloroethene (TCE), that were the primary contaminants found during an environmental investigation at the East Troy Contaminated Aquifer superfund site.

Established screening levels for PCE and TCE serve as guidelines for assessing whether action needs to be taken to protect building occupants from exposure to contaminants that may be present in indoor air. The commercial screening levels for PCE are 180 µg/m³ for indoor air and 5,800 µg/m³ for sub-slab vapor beneath a basement floor. The commercial screening levels are used for buildings such as offices, warehouses, churches and hotels and are protective of adult workers during a business day, as well as adult and child customers or visitors during a business day.

TCE was not detected in the sub-slab or indoor air samples. PCE was found in the sub-slab vapor samples. One sample was above the screening level, the highest PCE

Mr. Jim Kaster
May 2, 2016
Page 2

detection in the sub-slab was 13,100 $\mu\text{g}/\text{m}^3$; however, PCE detections in indoor air were all below screening levels. The highest indoor air concentration was 16.8 $\mu\text{g}/\text{m}^3$.

The laboratory report for the First Presbyterian Church is enclosed. Some explanation may be needed to help you interpret the results. The term "ND" means the compound was not detected. The terms "ppbv" is parts per billion volume and " $\mu\text{g}/\text{m}^3$ " is micrograms per cubic meter; both are a representation of the concentration of a compound in the air samples we collected using different units of measure.

The analytical results indicate the slab acts as a barrier by preventing the PCE measured in the sub-slab gas from entering the indoor air. While you may notice that additional compounds were detected in the indoor air samples, these compounds are typically found in indoor air from a variety of sources (cleaning products and other consumer goods), and they are not chemicals of concern from the East Troy Contaminated Aquifer superfund site.

Based on the results of this sampling event and the screening levels established, a vapor mitigation system is not required at this time. Rather, Ohio EPA would like to conduct confirmatory sampling at First Presbyterian in the future. Conditions within the building may change with the seasons, as pressure and weather conditions change. Confirmatory sampling would be planned within the following months and scheduled with you or another church representative.

If you have any questions regarding this letter, or other items related to the ongoing work regarding the East Troy Contaminated Aquifer superfund site, please contact me at (937) 285-6456 or Madelyn.Adams@epa.ohio.gov.

Sincerely,



Madelyn Adams
Site Coordinator
Division of Environmental Response and Revitalization

Enclosure

cc: Mark Rickrich, Manager, DERR/CO-ARCA
Mike Starkey, Manager, DERR/SWDO
Randy Kirkland, Supervisor, DERR/SWDO
Shari Kolak, Remedial Project Manager, USEPA

MA/lS

**SUMMARY OF PROPOSED REMEDIAL ACTION OBJECTIVES FOR
FOCUSED FEASIBILITY STUDY (FFS) –
EAST TROY CONTAMINATED AQUIFER (ETCA) SITE
APRIL 18, 2016**

Based on ongoing discussions with EPA and Ohio EPA, SulTRAC has prepared a summary of remedial action objectives (RAO), initial calculations and examples of site-specific leach-based soil concentrations for protection of groundwater, and residential area plume volatile organic compound (VOC) mass calculations. This information will be used to support the development of a FFS for the interim remedial action to be taken at the East Troy ETCA site.

REMEDIAL ACTION OBJECTIVES

RAOs that address soil, and residential plume area groundwater and vapor intrusion are summarized below.

Soil

Unacceptable risks or hazards were identified in exposure areas EA-1 and EA-6 for certain exposure scenarios. No risks or hazards are posed by soil to ecological receptors at the ETCA site. As such, the following RAOs have been developed to address soil under the interim remedial action:

- Prevent exposure to tetrachloroethene (PCE) and trichloroethene (TCE) in soil that poses unacceptable noncancer hazards to future residents and industrial/commercial workers in EA-1, and to future residents in EA-6.
- Minimize leaching of contaminants from soil to groundwater in the EAs where unacceptable noncancer hazards exist (EA-1 and EA-6).

Residential Area PCE Plume Groundwater

The goal of the interim remedial action is to reduce the dissolved-phase contaminant mass at the source of the residential area plume and in the downgradient part of the plume where chlorinated VOC concentrations are highest. A reduction in contaminant mass, in turn, results in reduced groundwater contaminant concentrations. Reducing the contaminant mass will reduce the amount of dissolved-phase contamination migrating downgradient from the source area in Zone A and will reduce concentrations of chlorinated VOCs throughout Zones A through D. Achieving final site cleanup levels is not a goal of the interim remedial action and will be addressed as part of the final site remedy. As such, the following RAOs have been developed to address groundwater under the interim remedial action:

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- Achieve a 90 percent reduction in dissolved VOC mass in groundwater in the area designated as Zone A.
- Achieve a 90 percent reduction in dissolved VOC mass in groundwater throughout the targeted treatment area (Zone A through Zone D).

Residential Area PCE Plume Vapor Intrusion

As part of the interim remedial action, vapor mitigation systems will be installed at all buildings located above the targeted treatment area (Zones A – D) plus an additional "buffer" area extending approximately two blocks downgradient of the treatment area to Counts Street. Buildings on the lateral edges of the treatment area will also be considered for vapor mitigation systems. Buildings not addressed as part of the interim remedial action may still be assessed to evaluate the potential for vapor intrusion under a separate initiative by EPA. As such, the following RAO has been developed to address potential vapor intrusion under the interim remedial action:

- Mitigate potential vapor intrusion in buildings overlying the targeted groundwater treatment area plus an additional buffer area extending beyond the downgradient end of the targeted treatment area.

SUPPORTING TECHNICAL RATIONALE FOR DEVELOPMENT OF REMEDIAL GOALS

Calculation of Site-Specific Leach-Based Soil Concentrations for Protection of Groundwater

The site-specific leach-based values provide the basis for soil cleanup levels that would be protective of groundwater. It is important to note that varying input parameters to account for actual site-specific conditions such as infiltration rate, hydraulic gradient, and mixing zone depth has a significant effect on the final values. For this reason, a range of potential site-specific soil values is possible and the input parameters need to be confirmed before proceeding with the FFS.

An initial set of values were derived using a combination of site-specific input values and input values that Ohio EPA requested in their comments to Kimberly-Clark in 2008. The calculated values based on these inputs are as follows:

- Hobart/Area 1 - PCE = 540 micrograms per kilogram (ug/kg); TCE = 353 ug/kg
- Spinnaker/Area 6 – PCE = 2,589 ug/kg; TCE = 1,693 ug/kg.

(Note that the numbers differ between Area 1 and Area 6 due to site-specific factors such as the significantly greater length of the source area parallel to the direction of groundwater flow at Hobart/Area 1.)

Varying the input parameters to reflect known site-specific factors results in higher target concentrations in some instances, and lower concentrations in others. To demonstrate the effects of changing various input parameters to reflect actual site conditions (such as presence of asphalt pavement or clay layers), a sensitivity analysis was completed and is summarized in the table below. For this analysis, a second set of numbers was calculated using a different infiltration rate from the Ohio EPA-specified input value, and a third set of numbers was calculated changing the mixing zone depth. The infiltration rate and mixing zone depths were modified from the baseline scenario to potentially represent site-specific conditions more closely. Note that for purposes of this sensitivity analysis, the hydraulic gradient was left constant at the average value of 0.003, however, the gradient varies in the area between the Hobart and Spinnaker properties and these variations would also affect the calculations if they were considered. The calculations and input values used to generate the potential site-specific leaching concentrations are presented in Attachment 1.

Area	Contaminant	*Leach-Based Concentration - Calculated with Ohio EPA Specified Input Values	*Leach-Based Concentration - Calculated Using Modified Infiltration Rate	*Leach-Based Concentration - Calculated Using Modified Mixing Zone Depth
Hobart Area 1	PCE	540	986	780
Hobart Area 1	TCE	353	645	510
Spinnaker Area 6	PCE	2,589	4,831	686
Spinnaker Area 6	TCE	1,693	3,159	449

Notes – all values in micrograms per kilogram (ug/kg)

* The leach-based values are modeled soil contaminant concentrations designed to be protective of groundwater.

- 1) The modified infiltration rate scenario assumes a rate of 0.08 meters per year whereas the other two scenarios assume 0.15 meters per year.
- 2) The modified mixing zone scenario assumes a mixing zone of 4.41 meters for Area 1 and 0.77 meters for Area 6 whereas the other two scenarios assume 3 meters.

Based on the sensitivity analysis, the input values used to calculate the leach-based soil concentrations should be finalized through discussion with EPA and Ohio EPA prior to proceeding with the FFS.

RESIDENTIAL AREA PLUME DISSOLVED MASS CALCULATIONS

The dissolved mass of chlorinated VOCs was estimated for interim action treatment Zone A, and for the entire interim action treatment area (Zones A through D). A summary of the estimated dissolved mass and the residual dissolved mass after treatment (assuming 90 percent removal) is presented below and the calculations are presented in Attachment 2.

Zone A:

- Estimated to contain approximately 58 pounds of total chlorinated VOCs in dissolved phase
- 90 percent reduction leaves approximately 5.8 pounds of total chlorinated VOCs

Zones A-D total:

- Estimated to contain approximately 109 pounds of total chlorinated VOCs in dissolved phase
- 90 percent reduction leaves approximately 10.9 pounds of total chlorinated VOCs

Note that these are preliminary estimates for discussion only and will not be the actual values used to measure performance of the remedial action. The estimates will be refined in the RD/RA phase following installation and initial sampling of all necessary performance monitoring wells. That refined dissolved mass estimate will serve as the pre-treatment "baseline" for performance monitoring. Progress will be measured relative to that baseline by periodic collection and analysis of groundwater samples from the performance monitoring wells, and using these data to recalculate the estimates of dissolved mass in Zone A; and, in Zones A through D in total. These values will in turn be used to estimate the percentage of the original dissolved mass that has been removed.

ATTACHMENT 1

**SENSITIVITY ANALYSIS SUMMARY TABLE AND
CALCULATIONS OF EXAMPLE SITE-SPECIFIC SOIL CONCENTRATIONS FOR
PROTECTION OF GROUNDWATER**

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TABLE 1: SENSITIVITY ANALYSIS SUMMARY

Scenario	Ohio EPA - Baseline		Site-Specific: Mixing Zone Depth		Site-Specific: Infiltration Rate ¹		
	Site	Hobart (Area 1)	Spinnaker (Area 6)	Hobart (Area 1)	Spinnaker (Area 6)	Hobart (Area 1)	Spinnaker (Area 6)
Analysis Parameter							
Mixing zone depth (m)		3	3	4.41	0.77	baseline	baseline
Factor (relative to baseline)		1	1	1.47	0.26	1	1
Infiltration Rate (m/yr)		0.15	0.15	baseline	baseline	0.08	0.08
Factor (relative to baseline)		1	1	1	1	0.53	0.53
Results:							
DAF		17.69	96.36	25.54	25.55	32.29	179.79
Factor (relative to baseline)		1	1	1.44	0.27	1.83	1.87
Soil Screening Levels							
PCE (mg/kg)		0.540	2.589	0.780	0.686	0.986	4.831
Factor (relative to baseline)		1	1	1.44	0.27	1.83	1.87
TCE (mg/kg)		0.353	1.693	0.510	0.449	0.645	3.159
Factor (relative to baseline)		1	1	1.44	0.27	1.83	1.87

Notes:

¹

Infiltration rate for clayey soils per Ohio EPA Division of Hazardous Waste Management guidance "Vadose Zone Modeling in RCRA Closures", dated January 7, 2005 (for comparison, default infiltration rate for sandy soils is 0.18 m/yr and for silty soils - 0.12 m/yr).

DAF	Dilution Attenuation Factor
mg/kg	Milligrams per kilogram
m/yr	Meters per year
PCE	Tetrachloroethene
TCE	Trichloroethene

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***Scenario 1 – Values Calculated Using Ohio EPA’s 2008 Specified-Input values for
Mixing Zone and Infiltration Rate***

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SCENARIO 1: PCE - HOBART/AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity [Per RI TABLE F1]
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	17.6875	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.540	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) :$$

$$\theta \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_t \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{\rho_s \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{co} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (0.002 \text{ unitless})$$

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SCENARIO 1: TCE - HOBART AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	17.6875	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.3531	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.6 \text{ kg}}{\text{L}} \right)}{P_b \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

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SCENARIO 1 PCE - SPINNAKER/ AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	96.3571	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
 SSL	 2.589	 mg/kg	 Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\epsilon_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$\gamma \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{\theta_a \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{cc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (0.002 \text{ unitless})$$

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SCENARIO 1 TCE - SPINNAKER/ AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	96.3571	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	1.693	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_b \left(\frac{2.85 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

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Equation 4-11
Derivation of Dilution Attenuation Factor

$$\text{Dilution Attenuation Factor (DAF)} = 1 + \frac{K \times i \times d}{I \times L}$$

Parameter/Definition (units)	Default
DAF/dilution attenuation factor (unitless)	20 or 1 (0.5-acre source)
K/aquifer hydraulic conductivity (m/yr)	Site-specific
I/hydraulic gradient (m/m)	Site-specific
I/infiltration rate (m/yr)	Site-specific
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific

Hobart (Area 1)

d = 3 m
 K= 11125 m/yr
 i= 0.003
 I= 0.15 m/yr
 L= 40 m

DAF = 18

Spinnaker (Area 6)

d = 3 m
 K= 11125 m/yr
 i= 0.003
 I= 0.15 m/yr
 L= 7 m

DAF = 96

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Equation 4-12
Estimation of Mixing Zone Depth

$$d = (0.0112L^2)^{0.5} + d_a(1 - \exp[(-L \times i)/(K \times i \times d_a)])$$

Parameter/Definition (units)	Default
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific
i/infiltration rate (m/yr)	Site-specific
K/aquifer hydraulic conductivity (m/yr)	Site-specific
i/hydraulic gradient (m/m)	Site-specific
d _a /aquifer thickness (m)	Site-specific

Hobart (Area 1)

L= 40 m
 d_a= 12 m
 i= 0.15 m/yr
 K= 11125 m/yr
 i= 0.003

$$d = 4.41 \text{ m}$$

Spinnaker (Area 6)

L= 7 m
 d_a= 12 m
 i= 0.15 m/yr
 K= 11125 m/yr
 i= 0.003

$$d = 0.77 \text{ m}$$

These estimates are not used in the Ohio EPA scenario (the default value is d = 3 m)

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TOC	mg/kg
81,100	0.0811
12,900	0.0129
21,800	0.0218
80,100	0.0801
average	0.05

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Scenario 2 – Values Calculated Using Site-Specific Infiltration Rate

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SCENARIO 2: PCE - HOBART/ AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity [Per RI TABLE F1]
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	32.28906	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
 SSL	 0.9859	 mg/kg	 Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\epsilon_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$\epsilon_p \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_t \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{\rho_s \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{co} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (0.002 \text{ unitless})$$

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SCENARIO 2: TCE - HOBART/ AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	32.28906	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.6447	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_s \left(\frac{2.85 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

DRAFT FOR DISCUSSION ONLY

SCENARIO 2: PCE - SPINNAKER/ AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	179.7946	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
 SSL	 4.831	 mg/kg	 Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$\left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{\theta_a \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

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SCENARIO 2: TCE - SPINNAKER/ AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	179.7946	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	3.159	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_b \left(\frac{2.85 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

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Equation 4-11
Derivation of Dilution Attenuation Factor

$$\text{Dilution Attenuation Factor (DAF)} = 1 + \frac{K \times i \times d}{l \times L}$$

Parameter/Definition (units)	Default
DAF/dilution attenuation factor (unitless)	20 or 1 (0.5-acre source)
K/aquifer hydraulic conductivity (m/yr)	Site-specific
l/hydraulic gradient (m/m)	Site-specific
l/infiltration rate (m/yr)	Site-specific
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific

Hobart (Area 1)

d = 3 m
 K= 11125 m/yr
 i= 0.003
 l= 0.08 m/yr
 L= 40 m

DAF = 32.289

Spinnaker (Area 6)

d = 3 m
 K= 11125 m/yr
 i= 0.003
 l= 0.08 m/yr
 L= 7 m

DAF = 179.795

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Equation 4-12
Estimation of Mixing Zone Depth

$$d = (0.0112L^2)^{0.5} + d_a(1 - \exp[(-L \times i)/(K \times j \times d_a)])$$

Parameter/Definition (units)	Default
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific
i/infiltration rate (m/yr)	Site-specific
K/aquifer hydraulic conductivity (m/yr)	Site-specific
i/hydraulic gradient (m/m)	Site-specific
d/aquifer thickness (m)	Site-specific

Hobart (Area 1)

L= 40 m
 d_a= 12 m
 i= 0.08 m/yr
 K= 11125 m/yr
 j= 0.003

Spinnaker (Area 6)

L= 7 m
 d_a= 12 m
 i= 0.08 m/yr
 K= 11125 m/yr
 j= 0.003

d = 4.33 m d = 0.76 m

These estimates are not used in the Ohio EPA scenario (the default value is d = 3 m)

Infiltration rate is for clayey soils: 0.08 m/yr (versus OEPA's default value of 0.15 m/yr)

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TOC	mg/kg
81,100	0.0811
12,900	0.0129
21,800	0.0218
80,100	0.0801
average	0.05

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Scenario 3 – Values Calculated Using Site-Specific Mixing Zone

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SCENARIO 3: PCE - HOBART/ AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity [Per RI TABLE F1]
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	25.53973	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.780	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_t \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_s \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{co} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (0.002 \text{ unitless})$$

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SCENARIO 3: TCE - HOBART/ AREA 1

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00617	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	25.53973	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.5099	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_s \left(\frac{2.05 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} \text{ (0.002 unitless)}$$

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SCENARIO 3: PCE - SPINNAKER / AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	94.94	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.0177	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	25.5459	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.686	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left[\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right] \right]$$

where:

$$\epsilon_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) - \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$\gamma \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{\rho_s \left(\frac{2.65 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{co} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (0.002 \text{ unitless})$$

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SCENARIO 3: TCE - SPINNAKER/ AREA 6

Chemical-specific parameters are per Soil Screening Guidance (EPA 1996) and later updates

C_w	0.00543	mg/L	Groundwater Concentration
K_{oc}	60.7	L/kg	Soil Organic Carbon/Water Partitioning Coefficient (chemical specific)
f_{oc}	0.05	unitless	fraction organic carbon
θ_w	0.30	L/L	water filled porosity
θ_a	0.14	L/L	air filled porosity
H'	0.00985	unitless	henry's law constant (chemical specific)
P_b	1.5	kg/L	dry soil bulk density (typical for silty sand, silty clay, silt mixture)
DAF	25.5459	unitless	dilution attenuation factor (defalt value for 0.5-acre source [EPA 1996] - 20)
SSL	0.449	mg/kg	Soil Concentration

$$SSL(\text{mg/kg}) = C_w \left(\frac{\text{mg}}{\text{L}} \right) \times DAF \times \left[K_d \left(\frac{\text{L}}{\text{kg}} \right) + \left(\frac{\left(\theta_w \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) + \theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) \times H' \right)}{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)} \right) \right]$$

where:

$$\theta_a \left(\frac{\text{L}_{\text{air}}}{\text{L}_{\text{soil}}} \right) = n \left(\frac{\text{L}_{\text{water}}}{\text{L}_{\text{soil}}} \right) \cdot \theta_w \left(\frac{0.3 \text{ L}_{\text{water}}}{\text{L}_{\text{soil}}} \right);$$

$$n \left(\frac{\text{L}_{\text{pore}}}{\text{L}_{\text{soil}}} \right) = 1 - \left(\frac{P_b \left(\frac{1.5 \text{ kg}}{\text{L}} \right)}{P_b \left(\frac{2.05 \text{ kg}}{\text{L}} \right)} \right) \text{ and}$$

$$K_d \left(\frac{\text{L}}{\text{kg}} \right) = K_{oc} \left(\frac{\text{L}}{\text{kg}} \right) \times f_{oc} (\text{0.002 unitless})$$

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Equation 4-11
Derivation of Dilution Attenuation Factor

$$\text{Dilution Attenuation Factor (DAF)} = 1 + \frac{K \times i \times d}{l \times L}$$

Parameter/Definition (units)	Default
DAF/dilution attenuation factor (unitless)	20 or 1 (0.5-acre source)
K/aquifer hydraulic conductivity (m/yr)	Site-specific
l/hydraulic gradient (m/m)	Site-specific
l/infiltration rate (m/yr)	Site-specific
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific

Hobart (Area 1)

d = 4.41 m
 K= 11125 m/yr
 i= 0.003
 l= 0.15 m/yr
 L= 40 m

DAF = 25.540

Spinnaker (Area 6)

d = 0.77 m
 K= 11125 m/yr
 i= 0.003
 l= 0.15 m/yr
 L= 7 m

DAF = 25.546

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Equation 4-12
Estimation of Mixing Zone Depth

$$d = (0.0112L^2)^{0.5} + d_a(1 - \exp[(-L \times i)/(K \times i \times d_a)])$$

Parameter/Definition (units)	Default
d/mixing zone depth (m)	Site-specific
L/source length parallel to ground water flow (m)	Site-specific
i/infiltration rate (m/yr)	Site-specific
K/aquifer hydraulic conductivity (m/yr)	Site-specific
i/hydraulic gradient (m/m)	Site-specific
d/aquifer thickness (m)	Site-specific

Hobart (Area 1)

L= 40 m
 d_a= 12 m
 i= 0.15 m/yr
 K= 11125 m/yr
 i= 0.003

Spinnaker (Area 6)

L= 7 m
 d_a= 12 m
 i= 0.15 m/yr
 K= 11125 m/yr
 i= 0.003

d = 4.41 m d = 0.77 m

These estimates are used for site-specific scenario (the Ohio EPA default value for d is 3 m)

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TOC	mg/kg
81,100	0.0811
12,900	0.0129
21,800	0.0218
80,100	0.0801
average	0.05

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ATTACHMENT 2
CALCULATIONS OF DISSOLVED MASS

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Residential Plume

Total plume area	2,369,352 sf	54.39 ac
Source area	260,144 sf	
Distal plume area	2,109,208 sf	
Porosity	0.3	

Average depth to groundwater 16.5 ft

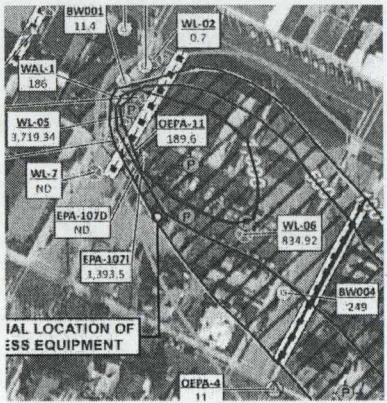
	D to GW		Plume Bot		Area		Plume T	Soil Vol	Pore Vol
	Average								
	ft	ft	ft	ft	sf	ft	cy	Million gal	
Walnut to Clay St		16.5	50	100	75	260,144	58.5	563,645	34.2
Clay St onwards		16.5	40	50	45	2,109,208	28.5	2,226,386	134.9
Total								2,790,031	169
								2.8	

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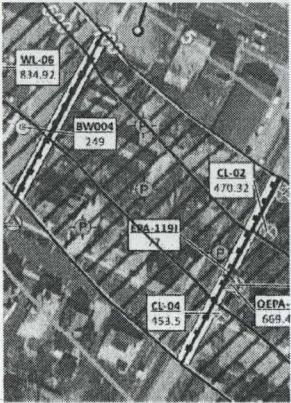
Treatment Zone	Contour Interval		Area sf	Concentration ug/L	Thickness ft	n effective	Pore V cf	Mass	
	ppb	ppb						Kg	lb
Zone A	1,000	3,719	20,665	2,360	60	0.2	247,980	16.5	36.4
	500	1,000	27,737	750	60	0.2	332,844	7.1	15.6
	100	500	27,029	300	60	0.2	324,348	2.8	6.2
Zone B	500	500	31203	500	60	0.2	374,436	5.3	11.7
	100	500	46908	300	60	0.2	562,896	4.8	10.6
Zone C	500	500	38241	500	30	0.2	229,446	3.2	7.1
	100	500	48129	300	30	0.2	288,774	2.4	5.3
Zone D	500	500	42549	500	30	0.2	255,294	3.6	7.9
	100	500	75536	300	30	0.2	453,216	3.8	8.4
							49.5	109.2	

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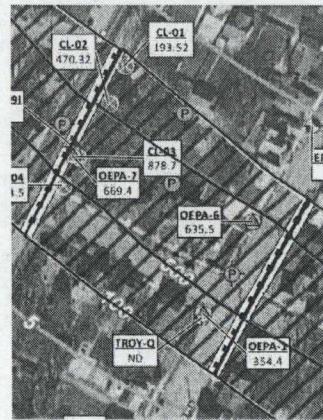
Zone A



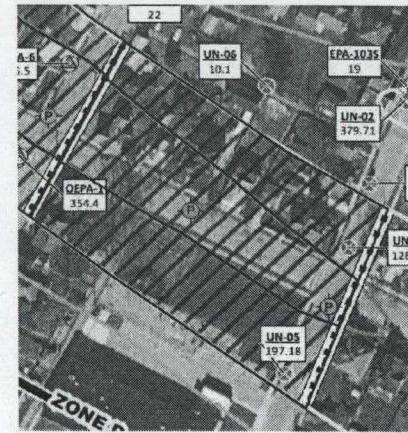
Zone B



Zone C



Zone D



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Kolak, Shari

Subject: RAO discussion - ETCA
Location: R5SFD-ConfCallLine-1/Conference-Call-Line/R5-SUPER

Start: Thu 5/5/2016 1:00 PM
End: Thu 5/5/2016 2:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Kolak, Shari
Required Attendees: Smith, Madelyn; LeGalley, Erin; allison.reed@epa.ohio.gov; Guy.Montfort@tetrtech.com; Mastrolonardo, Ray; Christian, Chit (Chit.Christian@tetrtech.com)

Resources: R5SFD-ConfCallLine-1/Conference-Call-Line/R5-SUPER

Our conference call to discuss the proposed RAOs (attached) is Thursday, May 5th at 1pm Central/2pm Eastern.

The call in number is: (877) 226-9607

Conference Code: [REDACTED] Exemption 6 Personal Privacy



RAO Summary
4-20-16 Final Dr...



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

May 2, 2016

CERTIFIED MAIL #70142120000159325473

Mr. Jim Kaster
First Presbyterian Church
20 S. Walnut St.
Troy, Ohio 45373

Re: Troy Well Field Unknown Source
Remediation Response
Correspondence
Remedial Response
Miami County
555001353008

**Subject: Ohio EPA Indoor Air and Sub-Slab Vapor Sample Results –
First Presbyterian Church, 20 S. Walnut St.**

Dear Mr. Kaster:

I am writing to inform you of the results of environmental samples collected on March 29 and 30, 2016 from the First Presbyterian Church, 20 S. Walnut St. in Troy. The church lies over an area of contaminated ground water from operations at a former dry cleaning facility, previously located at 10 E. Main St. The church was sampled to determine whether vapors from contaminated soils or ground water are impacting indoor air quality above acceptable human health exposure levels.

Ohio Environmental Protection Agency (Ohio EPA) performed sub-slab vapor (below the concrete floor), indoor air and outdoor air sampling. The samples were sent to an Ohio EPA contract laboratory where they were analyzed for volatile organic compounds (VOCs), particularly the industrial solvents tetrachloroethene (PCE) and the degradation product trichloroethene (TCE), that were the primary contaminants found during an environmental investigation at the East Troy Contaminated Aquifer superfund site.

Established screening levels for PCE and TCE serve as guidelines for assessing whether action needs to be taken to protect building occupants from exposure to contaminants that may be present in indoor air. The commercial screening levels for PCE are 180 µg/m³ for indoor air and 5,800 µg/m³ for sub-slab vapor beneath a basement floor. The commercial screening levels are used for buildings such as offices, warehouses, churches and hotels and are protective of adult workers during a business day, as well as adult and child customers or visitors during a business day.

TCE was not detected in the sub-slab or indoor air samples. PCE was found in the sub-slab vapor samples. One sample was above the screening level, the highest PCE

Mr. Jim Kaster
May 2, 2016
Page 2

detection in the sub-slab was 13,100 µg/m³; however, PCE detections in indoor air were all below screening levels. The highest indoor air concentration was 16.8 µg/m³.

The laboratory report for the First Presbyterian Church is enclosed. Some explanation may be needed to help you interpret the results. The term "ND" means the compound was not detected. The terms "ppbv" is parts per billion volume and "µg/m³" is micrograms per cubic meter; both are a representation of the concentration of a compound in the air samples we collected using different units of measure.

The analytical results indicate the slab acts as a barrier by preventing the PCE measured in the sub-slab gas from entering the indoor air. While you may notice that additional compounds were detected in the indoor air samples, these compounds are typically found in indoor air from a variety of sources (cleaning products and other consumer goods), and they are not chemicals of concern from the East Troy Contaminated Aquifer superfund site.

Based on the results of this sampling event and the screening levels established, a vapor mitigation system is not required at this time. Rather, Ohio EPA would like to conduct confirmatory sampling at First Presbyterian in the future. Conditions within the building may change with the seasons, as pressure and weather conditions change. Confirmatory sampling would be planned within the following months and scheduled with you or another church representative.

If you have any questions regarding this letter, or other items related to the ongoing work regarding the East Troy Contaminated Aquifer superfund site, please contact me at (937) 285-6456 or Madelyn.Adams@epa.ohio.gov.

Sincerely,



Madelyn Adams
Site Coordinator
Division of Environmental Response and Revitalization

Enclosure

cc: Mark Rickrich, Manager, DERR/CO-ARCA
Mike Starkey, Manager, DERR/SWDO
Randy Kirkland, Supervisor, DERR/SWDO
Shari Kolak, Remedial Project Manager, USEPA

MA/lS



11-Apr-2016

Maddie Adams
Ohio EPA
401 East 5th Street
Dayton, OH 45402

Tel: (937) 285-6456
Fax:

Re: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Dear Maddie,

ALS Environmental received 20 samples on 31-Mar-2016 02:54 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 93.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

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Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Work Order: 16031103

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
16031103-01	IA-05	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-02	IA-06	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-03	IA-02	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-04	SS-01	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-05	IA-03	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-06	IA-03Dup	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-07	Ambient	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-08	SS-06	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-09	IA-08	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-10	SS-09	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-11	IA-01	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-12	SS-03	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-13	IA-07	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-14	IA-04	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-15	SS-08	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-16	IA-09	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-17	SS-05	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-18	SS-02	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-19	SS-04	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>
16031103-20	SS-07	Air		3/30/2016	3/31/2016 14:54	<input type="checkbox"/>

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Work Order: 16031103

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-05
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 03:42 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 03:42 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 03:42 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 03:42 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Acetone	4.2		1.0	ppbv	1	4/7/2016 03:42 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Chloromethane	0.62		0.50	ppbv	1	4/7/2016 03:42 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Dichlorodifluoromethane	0.50		0.50	ppbv	1	4/7/2016 03:42 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-05
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Hexane	1.2		0.50	ppbv	1	4/7/2016 03:42 PM
m,p-Xylene	0.92		0.50	ppbv	1	4/7/2016 03:42 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 03:42 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Propene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Tetrachloroethene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Toluene	4.0		0.50	ppbv	1	4/7/2016 03:42 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 03:42 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 03:42 PM
Surr: Bromofluorobenzene	102		60-140	%REC	1	4/7/2016 03:42 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 03:42 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/7/2016 03:42 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 03:42 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 03:42 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 03:42 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/7/2016 03:42 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 03:42 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/7/2016 03:42 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 03:42 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 03:42 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/7/2016 03:42 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 03:42 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/7/2016 03:42 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 03:42 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 03:42 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-05
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-01
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 03:42 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 03:42 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 03:42 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 03:42 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 03:42 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 03:42 PM
Acetone	10.1		2.38	µg/m3	1	4/7/2016 03:42 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 03:42 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 03:42 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 03:42 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 03:42 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 03:42 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 03:42 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 03:42 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 03:42 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 03:42 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 03:42 PM
Chloromethane	1.28		1.03	µg/m3	1	4/7/2016 03:42 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 03:42 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 03:42 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 03:42 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 03:42 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 03:42 PM
Dichlorodifluoromethane	2.47		2.47	µg/m3	1	4/7/2016 03:42 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/7/2016 03:42 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 03:42 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 03:42 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 03:42 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 03:42 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 03:42 PM
Hexane	4.41		1.76	µg/m3	1	4/7/2016 03:42 PM
m,p-Xylene	3.99		2.17	µg/m3	1	4/7/2016 03:42 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 03:42 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 03:42 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 03:42 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 03:42 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 03:42 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 03:42 PM
Tetrachloroethene	ND		3.39	µg/m3	1	4/7/2016 03:42 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 03:42 PM

Note:

ALS Environmental**Date:** 11-Apr-16**Client:** Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-05**Lab ID:** 16031103-01**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	15.3		1.88	µg/m3	1	4/7/2016 03:42 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 03:42 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 03:42 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 03:42 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 03:42 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 03:42 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 03:42 PM
<i>Surrogate:</i> Bromofluorobenzene	102		60-140	%REC	1	4/7/2016 03:42 PM

Note:

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 04:20 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 04:20 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 04:20 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 04:20 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Acetone	3.7		1.0	ppbv	1	4/7/2016 04:20 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Chloromethane	0.52		0.50	ppbv	1	4/7/2016 04:20 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: IA-06

Lab ID: 16031103-02

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	0.76		0.50	ppbv	1	4/7/2016 04:20 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Hexane	0.57		0.50	ppbv	1	4/7/2016 04:20 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 04:20 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Propene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Tetrachloroethene	1.0		0.50	ppbv	1	4/7/2016 04:20 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Toluene	3.0		0.50	ppbv	1	4/7/2016 04:20 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 04:20 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 04:20 PM
Sum: Bromofluorobenzene	94.0		60-140	%REC	1	4/7/2016 04:20 PM
TO-15 BY GC/MS		ETO-15		Analyst: MRJ		
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 04:20 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/7/2016 04:20 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 04:20 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 04:20 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/7/2016 04:20 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/7/2016 04:20 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 04:20 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/7/2016 04:20 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:20 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 04:20 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/7/2016 04:20 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 04:20 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/7/2016 04:20 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:20 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:20 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 04:20 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 04:20 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 04:20 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 04:20 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 04:20 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 04:20 PM
Acetone	8.69		2.38	µg/m3	1	4/7/2016 04:20 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 04:20 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 04:20 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 04:20 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 04:20 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 04:20 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 04:20 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 04:20 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 04:20 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 04:20 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 04:20 PM
Chloromethane	1.07		1.03	µg/m3	1	4/7/2016 04:20 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 04:20 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 04:20 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 04:20 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 04:20 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 04:20 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 04:20 PM
Ethyl acetate	2.74		1.80	µg/m3	1	4/7/2016 04:20 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 04:20 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 04:20 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 04:20 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 04:20 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 04:20 PM
Hexane	2.01		1.76	µg/m3	1	4/7/2016 04:20 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 04:20 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 04:20 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 04:20 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 04:20 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 04:20 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 04:20 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 04:20 PM
Tetrachloroethene	7.05		3.39	µg/m3	1	4/7/2016 04:20 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 04:20 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-02
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	11.2		1.88	µg/m3	1	4/7/2016 04:20 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 04:20 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 04:20 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 04:20 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 04:20 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 04:20 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 04:20 PM
<i>Sum: Bromofluorobenzene</i>	94.0		60-140	%REC	1	4/7/2016 04:20 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-02
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 04:59 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 04:59 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 04:59 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 04:59 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Acetone	5.9		1.0	ppbv	1	4/7/2016 04:59 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Chloromethane	0.50		0.50	ppbv	1	4/7/2016 04:59 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-02**Lab ID:** 16031103-03**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	1.8		0.50	ppbv	1	4/7/2016 04:59 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Hexane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 04:59 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Propene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Tetrachloroethene	2.1		0.50	ppbv	1	4/7/2016 04:59 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Toluene	1.9		0.50	ppbv	1	4/7/2016 04:59 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 04:59 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 04:59 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 04:59 PM
<i>Surrogate:</i> Bromofluorobenzene	91.4		60-140	%REC	1	4/7/2016 04:59 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 04:59 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/7/2016 04:59 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 04:59 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 04:59 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/7/2016 04:59 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/7/2016 04:59 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 04:59 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/7/2016 04:59 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:59 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 04:59 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/7/2016 04:59 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 04:59 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/7/2016 04:59 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:59 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 04:59 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-02
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-03
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 04:59 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 04:59 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 04:59 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 04:59 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 04:59 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 04:59 PM
Acetone	14.1		2.38	µg/m3	1	4/7/2016 04:59 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 04:59 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 04:59 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 04:59 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 04:59 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 04:59 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 04:59 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 04:59 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 04:59 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 04:59 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 04:59 PM
Chloromethane	1.03		1.03	µg/m3	1	4/7/2016 04:59 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 04:59 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 04:59 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 04:59 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 04:59 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 04:59 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 04:59 PM
Ethyl acetate	6.56		1.80	µg/m3	1	4/7/2016 04:59 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 04:59 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 04:59 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 04:59 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 04:59 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 04:59 PM
Hexane	ND		1.76	µg/m3	1	4/7/2016 04:59 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 04:59 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 04:59 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 04:59 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 04:59 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 04:59 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 04:59 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 04:59 PM
Tetrachloroethene	14.0		3.39	µg/m3	1	4/7/2016 04:59 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 04:59 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-02**Lab ID:** 16031103-03**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	7.27		1.88	µg/m3	1	4/7/2016 04:59 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 04:59 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 04:59 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 04:59 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 04:59 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 04:59 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 04:59 PM
<i>Sum: Bromofluorobenzene</i>	91.4		60-140	%REC	1	4/7/2016 04:59 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-01
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2,4-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,3-Butadiene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
1,4-Dioxane	ND		10	ppbv	10	4/7/2016 05:37 PM
2-Butanone	ND		5.0	ppbv	10	4/7/2016 05:37 PM
2-Hexanone	ND		5.0	ppbv	10	4/7/2016 05:37 PM
2-Propanol	ND		10	ppbv	10	4/7/2016 05:37 PM
4-Ethyltoluene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Acetone	11	10	ppbv			4/7/2016 05:37 PM
Benzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Benzyl chloride	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Bromodichloromethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Bromoform	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Bromomethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Carbon disulfide	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Carbon tetrachloride	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Chlorobenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Chloroethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Chloroform	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Chloromethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Cumene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Cyclohexane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Dibromochloromethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-01
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Ethylbenzene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Freon 113	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Freon 114	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Heptane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Hexane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
m,p-Xylene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Methylene chloride	ND		5.0	ppbv	10	4/7/2016 05:37 PM
MTBE	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Naphthalene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
o-Xylene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Propene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Styrene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Tetrachloroethene	31		5.0	ppbv	10	4/7/2016 05:37 PM
Tetrahydrofuran	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Toluene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Trichloroethene	ND		2.0	ppbv	10	4/7/2016 05:37 PM
Trichlorofluoromethane	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Vinyl acetate	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Vinyl chloride	ND		5.0	ppbv	10	4/7/2016 05:37 PM
Sum: Bromofluorobenzene	91.6		60-140	%REC	10	4/7/2016 05:37 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		27.3	µg/m³	10	4/7/2016 05:37 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m³	10	4/7/2016 05:37 PM
1,1,2-Trichloroethane	ND		27.3	µg/m³	10	4/7/2016 05:37 PM
1,1-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 05:37 PM
1,1-Dichloroethene	ND		19.8	µg/m³	10	4/7/2016 05:37 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m³	10	4/7/2016 05:37 PM
1,2,4-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 05:37 PM
1,2-Dibromoethane	ND		38.4	µg/m³	10	4/7/2016 05:37 PM
1,2-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 05:37 PM
1,2-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 05:37 PM
1,2-Dichloropropane	ND		23.1	µg/m³	10	4/7/2016 05:37 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 05:37 PM
1,3-Butadiene	ND		11.1	µg/m³	10	4/7/2016 05:37 PM
1,3-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 05:37 PM
1,4-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 05:37 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-01
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-04
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	4/7/2016 05:37 PM
2-Butanone	ND		14.7	µg/m3	10	4/7/2016 05:37 PM
2-Hexanone	ND		20.5	µg/m3	10	4/7/2016 05:37 PM
2-Propanol	ND		24.6	µg/m3	10	4/7/2016 05:37 PM
4-Ethyltoluene	ND		24.6	µg/m3	10	4/7/2016 05:37 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	4/7/2016 05:37 PM
Acetone	27.1		23.8	µg/m3	10	4/7/2016 05:37 PM
Benzene	ND		16.0	µg/m3	10	4/7/2016 05:37 PM
Benzyl chloride	ND		25.9	µg/m3	10	4/7/2016 05:37 PM
Bromodichloromethane	ND		33.5	µg/m3	10	4/7/2016 05:37 PM
Bromoform	ND		51.7	µg/m3	10	4/7/2016 05:37 PM
Bromomethane	ND		19.4	µg/m3	10	4/7/2016 05:37 PM
Carbon disulfide	ND		15.6	µg/m3	10	4/7/2016 05:37 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	4/7/2016 05:37 PM
Chlorobenzene	ND		23.0	µg/m3	10	4/7/2016 05:37 PM
Chloroethane	ND		13.2	µg/m3	10	4/7/2016 05:37 PM
Chloroform	ND		24.4	µg/m3	10	4/7/2016 05:37 PM
Chloromethane	ND		10.3	µg/m3	10	4/7/2016 05:37 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/7/2016 05:37 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/7/2016 05:37 PM
Cumene	ND		24.6	µg/m3	10	4/7/2016 05:37 PM
Cyclohexane	ND		17.2	µg/m3	10	4/7/2016 05:37 PM
Dibromochloromethane	ND		42.6	µg/m3	10	4/7/2016 05:37 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	4/7/2016 05:37 PM
Ethyl acetate	ND		18.0	µg/m3	10	4/7/2016 05:37 PM
Ethylbenzene	ND		21.7	µg/m3	10	4/7/2016 05:37 PM
Freon 113	ND		38.3	µg/m3	10	4/7/2016 05:37 PM
Freon 114	ND		35.0	µg/m3	10	4/7/2016 05:37 PM
Heptane	ND		20.5	µg/m3	10	4/7/2016 05:37 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	4/7/2016 05:37 PM
Hexane	ND		17.6	µg/m3	10	4/7/2016 05:37 PM
m,p-Xylene	ND		21.7	µg/m3	10	4/7/2016 05:37 PM
Methylene chloride	ND		17.4	µg/m3	10	4/7/2016 05:37 PM
MTBE	ND		18.0	µg/m3	10	4/7/2016 05:37 PM
Naphthalene	ND		26.2	µg/m3	10	4/7/2016 05:37 PM
o-Xylene	ND		21.7	µg/m3	10	4/7/2016 05:37 PM
Propene	ND		8.61	µg/m3	10	4/7/2016 05:37 PM
Styrene	ND		21.3	µg/m3	10	4/7/2016 05:37 PM
Tetrachloroethene	212		33.9	µg/m3	10	4/7/2016 05:37 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	4/7/2016 05:37 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** SS-01**Lab ID:** 16031103-04**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		18.8	µg/m3	10	4/7/2016 05:37 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/7/2016 05:37 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/7/2016 05:37 PM
Trichloroethene	ND		10.7	µg/m3	10	4/7/2016 05:37 PM
Trichlorofluoromethane	ND		28.1	µg/m3	10	4/7/2016 05:37 PM
Vinyl acetate	ND		17.6	µg/m3	10	4/7/2016 05:37 PM
Vinyl chloride	ND		12.8	µg/m3	10	4/7/2016 05:37 PM
Sur: Bromofluorobenzene	91.6		60-140	%REC	10	4/7/2016 05:37 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-03
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 06:16 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 06:16 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 06:16 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 06:16 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Acetone	4.8		1.0	ppbv	1	4/7/2016 06:16 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Chloromethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: IA-03

Lab ID: 16031103-05

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Hexane	0.70		0.50	ppbv	1	4/7/2016 06:16 PM
m,p-Xylene	0.53		0.50	ppbv	1	4/7/2016 06:16 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 06:16 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Propene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Tetrachloroethene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Toluene	3.2		0.50	ppbv	1	4/7/2016 06:16 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 06:16 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 06:16 PM
Surr: Bromofluorobenzene	92.5		60-140	%REC	1	4/7/2016 06:16 PM
TO-15 BY GC/MS		ETO-15		Analyst: MRJ		
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 06:16 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/7/2016 06:16 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 06:16 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 06:16 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/7/2016 06:16 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/7/2016 06:16 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 06:16 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/7/2016 06:16 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:16 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 06:16 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/7/2016 06:16 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 06:16 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/7/2016 06:16 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:16 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:16 PM

Note:

ALS Environmental**Date:** 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-03
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-05
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 06:16 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 06:16 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 06:16 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 06:16 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 06:16 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 06:16 PM
Acetone	11.5		2.38	µg/m3	1	4/7/2016 06:16 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 06:16 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 06:16 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 06:16 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 06:16 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 06:16 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 06:16 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 06:16 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 06:16 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 06:16 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 06:16 PM
Chloromethane	ND		1.03	µg/m3	1	4/7/2016 06:16 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 06:16 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 06:16 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 06:16 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 06:16 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 06:16 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 06:16 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/7/2016 06:16 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 06:16 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 06:16 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 06:16 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 06:16 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 06:16 PM
Hexane	2.47		1.76	µg/m3	1	4/7/2016 06:16 PM
m,p-Xylene	2.30		2.17	µg/m3	1	4/7/2016 06:16 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 06:16 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 06:16 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 06:16 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 06:16 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 06:16 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 06:16 PM
Tetrachloroethene	ND		3.39	µg/m3	1	4/7/2016 06:16 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 06:16 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy **Work Order:** 16031103
Sample ID: IA-03 **Lab ID:** 16031103-05
Collection Date: 3/30/2016 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	12.1		1.88	µg/m3	1	4/7/2016 06:16 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 06:16 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 06:16 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 06:16 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 06:16 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 06:16 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 06:16 PM
<i>Sum: Bromofluorobenzene</i>	92.5		60-140	%REC	1	4/7/2016 06:16 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-03Dup
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 06:55 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 06:55 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 06:55 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 06:55 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Acetone	3.7		1.0	ppbv	1	4/7/2016 06:55 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Chloromethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM

Note:

ALS Environmental
Date: 11-Apr-16
Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: IA-03Dup

Lab ID: 16031103-06

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Hexane	0.70		0.50	ppbv	1	4/7/2016 06:55 PM
m,p-Xylene	0.55		0.50	ppbv	1	4/7/2016 06:55 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 06:55 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Propene	2.6		0.50	ppbv	1	4/7/2016 06:55 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Tetrachloroethene	0.51		0.50	ppbv	1	4/7/2016 06:55 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Toluene	3.3		0.50	ppbv	1	4/7/2016 06:55 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 06:55 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 06:55 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 06:55 PM
<i>Sum: Bromofluorobenzene</i>	93.9		60-140	%REC	1	4/7/2016 06:55 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 06:55 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/7/2016 06:55 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 06:55 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 06:55 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/7/2016 06:55 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/7/2016 06:55 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 06:55 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/7/2016 06:55 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:55 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 06:55 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/7/2016 06:55 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 06:55 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/7/2016 06:55 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:55 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 06:55 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-03Dup
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-06
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 06:55 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 06:55 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 06:55 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 06:55 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 06:55 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 06:55 PM
Acetone	8.88		2.38	µg/m3	1	4/7/2016 06:55 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 06:55 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 06:55 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 06:55 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 06:55 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 06:55 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 06:55 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 06:55 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 06:55 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 06:55 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 06:55 PM
Chloromethane	ND		1.03	µg/m3	1	4/7/2016 06:55 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 06:55 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 06:55 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 06:55 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 06:55 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 06:55 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 06:55 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/7/2016 06:55 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 06:55 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 06:55 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 06:55 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 06:55 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 06:55 PM
Hexane	2.47		1.76	µg/m3	1	4/7/2016 06:55 PM
m,p-Xylene	2.39		2.17	µg/m3	1	4/7/2016 06:55 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 06:55 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 06:55 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 06:55 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 06:55 PM
Propene	4.46		0.861	µg/m3	1	4/7/2016 06:55 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 06:55 PM
Tetrachloroethene	3.46		3.39	µg/m3	1	4/7/2016 06:55 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 06:55 PM

Note:

ALS Environmental**Date:** 11-Apr-16**Client:** Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-03Dup**Lab ID:** 16031103-06**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	12.3		1.88	µg/m3	1	4/7/2016 06:55 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 06:55 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 06:55 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 06:55 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 06:55 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 06:55 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 06:55 PM
<i>Sur: Bromofluorobenzene</i>	93.9		60-140	%REC	1	4/7/2016 06:55 PM

Note:

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: Ambient
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 07:32 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 07:32 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 07:32 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 07:32 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Acetone	2.7		1.0	ppbv	1	4/7/2016 07:32 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Chloromethane	0.57		0.50	ppbv	1	4/7/2016 07:32 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM

Note:

ALS Environmental
Date: 11-Apr-16
Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: Ambient

Lab ID: 16031103-07

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Hexane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 07:32 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Propene	1.1		0.50	ppbv	1	4/7/2016 07:32 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Tetrachloroethene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Toluene	2.8		0.50	ppbv	1	4/7/2016 07:32 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 07:32 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 07:32 PM
Sur: Bromofluorobenzene	90.2		60-140	%REC	1	4/7/2016 07:32 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 07:32 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/7/2016 07:32 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 07:32 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 07:32 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 07:32 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/7/2016 07:32 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 07:32 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/7/2016 07:32 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 07:32 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 07:32 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/7/2016 07:32 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 07:32 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/7/2016 07:32 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 07:32 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 07:32 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: Ambient
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-07
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 07:32 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 07:32 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 07:32 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 07:32 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 07:32 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 07:32 PM
Acetone	6.34		2.38	µg/m3	1	4/7/2016 07:32 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 07:32 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 07:32 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 07:32 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 07:32 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 07:32 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 07:32 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 07:32 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 07:32 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 07:32 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 07:32 PM
Chloromethane	1.18		1.03	µg/m3	1	4/7/2016 07:32 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 07:32 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 07:32 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 07:32 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 07:32 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 07:32 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 07:32 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/7/2016 07:32 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 07:32 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 07:32 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 07:32 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 07:32 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 07:32 PM
Hexane	ND		1.76	µg/m3	1	4/7/2016 07:32 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 07:32 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 07:32 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 07:32 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 07:32 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 07:32 PM
Propene	1.86		0.861	µg/m3	1	4/7/2016 07:32 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 07:32 PM
Tetrachloroethene	ND		3.39	µg/m3	1	4/7/2016 07:32 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 07:32 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** Ambient**Lab ID:** 16031103-07**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	10.5		1.88	µg/m3	1	4/7/2016 07:32 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 07:32 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 07:32 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 07:32 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 07:32 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 07:32 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 07:32 PM
<i>Surf: Bromofluorobenzene</i>	90.2		60-140	%REC	1	4/7/2016 07:32 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-08
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	9.1		5.0	ppbv	10	4/7/2016 08:10 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2,4-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,3-Butadiene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
1,4-Dioxane	ND		10	ppbv	10	4/7/2016 08:10 PM
2-Butanone	ND		5.0	ppbv	10	4/7/2016 08:10 PM
2-Hexanone	ND		5.0	ppbv	10	4/7/2016 08:10 PM
2-Propanol	ND		10	ppbv	10	4/7/2016 08:10 PM
4-Ethyltoluene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Acetone	26		10	ppbv	10	4/7/2016 08:10 PM
Benzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Benzyl chloride	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Bromodichloromethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Bromoform	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Bromomethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Carbon disulfide	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Carbon tetrachloride	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Chlorobenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Chloroethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Chloroform	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Chloromethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Cumene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Cyclohexane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Dibromochloromethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-08
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Ethylbenzene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Freon 113	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Freon 114	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Heptane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Hexane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
m,p-Xylene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Methylene chloride	ND		5.0	ppbv	10	4/7/2016 08:10 PM
MTBE	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Naphthalene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
o-Xylene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Propene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Styrene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Tetrachloroethene	250		5.0	ppbv	10	4/7/2016 08:10 PM
Tetrahydrofuran	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Toluene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Trichloroethene	ND		2.0	ppbv	10	4/7/2016 08:10 PM
Trichlorofluoromethane	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Vinyl acetate	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Vinyl chloride	ND		5.0	ppbv	10	4/7/2016 08:10 PM
Surr: Bromofluorobenzene	94.5		60-140	%REC	10	4/7/2016 08:10 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	49.7		27.3	µg/m³	10	4/7/2016 08:10 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m³	10	4/7/2016 08:10 PM
1,1,2-Trichloroethane	ND		27.3	µg/m³	10	4/7/2016 08:10 PM
1,1-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 08:10 PM
1,1-Dichloroethene	ND		19.8	µg/m³	10	4/7/2016 08:10 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m³	10	4/7/2016 08:10 PM
1,2,4-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 08:10 PM
1,2-Dibromoethane	ND		38.4	µg/m³	10	4/7/2016 08:10 PM
1,2-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 08:10 PM
1,2-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 08:10 PM
1,2-Dichloropropane	ND		23.1	µg/m³	10	4/7/2016 08:10 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 08:10 PM
1,3-Butadiene	ND		11.1	µg/m³	10	4/7/2016 08:10 PM
1,3-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 08:10 PM
1,4-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 08:10 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-08
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m³	10	4/7/2016 08:10 PM
2-Butanone	ND		14.7	µg/m³	10	4/7/2016 08:10 PM
2-Hexanone	ND		20.5	µg/m³	10	4/7/2016 08:10 PM
2-Propanol	ND		24.6	µg/m³	10	4/7/2016 08:10 PM
4-Ethyltoluene	ND		24.6	µg/m³	10	4/7/2016 08:10 PM
4-Methyl-2-pentanone	ND		20.5	µg/m³	10	4/7/2016 08:10 PM
Acetone	61.5		23.8	µg/m³	10	4/7/2016 08:10 PM
Benzene	ND		16.0	µg/m³	10	4/7/2016 08:10 PM
Benzyl chloride	ND		25.9	µg/m³	10	4/7/2016 08:10 PM
Bromodichloromethane	ND		33.5	µg/m³	10	4/7/2016 08:10 PM
Bromoform	ND		51.7	µg/m³	10	4/7/2016 08:10 PM
Bromomethane	ND		19.4	µg/m³	10	4/7/2016 08:10 PM
Carbon disulfide	ND		15.6	µg/m³	10	4/7/2016 08:10 PM
Carbon tetrachloride	ND		31.5	µg/m³	10	4/7/2016 08:10 PM
Chlorobenzene	ND		23.0	µg/m³	10	4/7/2016 08:10 PM
Chloroethane	ND		13.2	µg/m³	10	4/7/2016 08:10 PM
Chloroform	ND		24.4	µg/m³	10	4/7/2016 08:10 PM
Chloromethane	ND		10.3	µg/m³	10	4/7/2016 08:10 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m³	10	4/7/2016 08:10 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m³	10	4/7/2016 08:10 PM
Cumene	ND		24.6	µg/m³	10	4/7/2016 08:10 PM
Cyclohexane	ND		17.2	µg/m³	10	4/7/2016 08:10 PM
Dibromochloromethane	ND		42.6	µg/m³	10	4/7/2016 08:10 PM
Dichlorodifluoromethane	ND		24.7	µg/m³	10	4/7/2016 08:10 PM
Ethyl acetate	ND		18.0	µg/m³	10	4/7/2016 08:10 PM
Ethylbenzene	ND		21.7	µg/m³	10	4/7/2016 08:10 PM
Freon 113	ND		38.3	µg/m³	10	4/7/2016 08:10 PM
Freon 114	ND		35.0	µg/m³	10	4/7/2016 08:10 PM
Heptane	ND		20.5	µg/m³	10	4/7/2016 08:10 PM
Hexachlorobutadiene	ND		53.3	µg/m³	10	4/7/2016 08:10 PM
Hexane	ND		17.6	µg/m³	10	4/7/2016 08:10 PM
m,p-Xylene	ND		21.7	µg/m³	10	4/7/2016 08:10 PM
Methylene chloride	ND		17.4	µg/m³	10	4/7/2016 08:10 PM
MTBE	ND		18.0	µg/m³	10	4/7/2016 08:10 PM
Naphthalene	ND		26.2	µg/m³	10	4/7/2016 08:10 PM
o-Xylene	ND		21.7	µg/m³	10	4/7/2016 08:10 PM
Propene	ND		8.61	µg/m³	10	4/7/2016 08:10 PM
Styrene	ND		21.3	µg/m³	10	4/7/2016 08:10 PM
Tetrachloroethene	1,690		33.9	µg/m³	10	4/7/2016 08:10 PM
Tetrahydrofuran	ND		14.7	µg/m³	10	4/7/2016 08:10 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-06
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-08
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		18.8	µg/m3	10	4/7/2016 08:10 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/7/2016 08:10 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/7/2016 08:10 PM
Trichloroethene	ND		10.7	µg/m3	10	4/7/2016 08:10 PM
Trichlorofluoromethane	ND		28.1	µg/m3	10	4/7/2016 08:10 PM
Vinyl acetate	ND		17.6	µg/m3	10	4/7/2016 08:10 PM
Vinyl chloride	ND		12.8	µg/m3	10	4/7/2016 08:10 PM
<i>Surrogate:</i> Bromofluorobenzene	94.5		60-140	%REC	10	4/7/2016 08:10 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-08
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 08:47 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 08:47 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 08:47 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 08:47 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Acetone	4.8		1.0	ppbv	1	4/7/2016 08:47 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Chloromethane	0.57		0.50	ppbv	1	4/7/2016 08:47 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-08
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-09
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	1.7		0.50	ppbv	1	4/7/2016 08:47 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Hexane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 08:47 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Propene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Tetrachloroethene	2.1		0.50	ppbv	1	4/7/2016 08:47 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Toluene	1.4		0.50	ppbv	1	4/7/2016 08:47 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 08:47 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 08:47 PM
Surr: Bromofluorobenzene	95.5		60-140	%REC	1	4/7/2016 08:47 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 08:47 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/7/2016 08:47 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 08:47 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 08:47 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 08:47 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/7/2016 08:47 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 08:47 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/7/2016 08:47 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 08:47 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 08:47 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/7/2016 08:47 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 08:47 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/7/2016 08:47 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 08:47 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 08:47 PM

Note:

ALS Environmental**Date: 11-Apr-16****Client:** Ohio EPA**Project:** First Presbyterian Church; 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-08**Lab ID:** 16031103-09**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 08:47 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 08:47 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 08:47 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 08:47 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 08:47 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 08:47 PM
Acetone	11.5		2.38	µg/m3	1	4/7/2016 08:47 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 08:47 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 08:47 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 08:47 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 08:47 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 08:47 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 08:47 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 08:47 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 08:47 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 08:47 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 08:47 PM
Chloromethane	1.18		1.03	µg/m3	1	4/7/2016 08:47 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 08:47 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 08:47 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 08:47 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 08:47 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 08:47 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 08:47 PM
Ethyl acetate	6.05		1.80	µg/m3	1	4/7/2016 08:47 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 08:47 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 08:47 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 08:47 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 08:47 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 08:47 PM
Hexane	ND		1.76	µg/m3	1	4/7/2016 08:47 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 08:47 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 08:47 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 08:47 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 08:47 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 08:47 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 08:47 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 08:47 PM
Tetrachloroethene	14.2		3.39	µg/m3	1	4/7/2016 08:47 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 08:47 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy **Work Order:** 16031103
Sample ID: IA-08 **Lab ID:** 16031103-09
Collection Date: 3/30/2016 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	5.35		1.88	µg/m3	1	4/7/2016 08:47 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 08:47 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 08:47 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 08:47 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 08:47 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 08:47 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 08:47 PM
Sur: Bromofluorobenzene	95.5		60-140	%REC	1	4/7/2016 08:47 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-09
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-10 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2,4-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,3-Butadiene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
1,4-Dioxane	ND		10	ppbv	10	4/7/2016 09:25 PM
2-Butanone	ND		5.0	ppbv	10	4/7/2016 09:25 PM
2-Hexanone	ND		5.0	ppbv	10	4/7/2016 09:25 PM
2-Propanol	ND		10	ppbv	10	4/7/2016 09:25 PM
4-Ethyltoluene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Acetone	ND		10	ppbv	10	4/7/2016 09:25 PM
Benzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Benzyl chloride	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Bromodichloromethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Bromoform	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Bromomethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Carbon disulfide	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Carbon tetrachloride	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Chlorobenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Chloroethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Chloroform	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Chloromethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Cumene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Cyclohexane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Dibromochloromethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-09
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Ethylbenzene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Freon 113	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Freon 114	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Heptane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Hexane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
m,p-Xylene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Methylene chloride	ND		5.0	ppbv	10	4/7/2016 09:25 PM
MTBE	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Naphthalene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
o-Xylene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Propene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Styrene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Tetrachloroethene	220		5.0	ppbv	10	4/7/2016 09:25 PM
Tetrahydrofuran	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Toluene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Trichloroethene	ND		2.0	ppbv	10	4/7/2016 09:25 PM
Trichlorofluoromethane	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Vinyl acetate	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Vinyl chloride	ND		5.0	ppbv	10	4/7/2016 09:25 PM
Surr: Bromofluorobenzene	92.1		60-140	%REC	10	4/7/2016 09:25 PM
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		27.3	µg/m³	10	4/7/2016 09:25 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m³	10	4/7/2016 09:25 PM
1,1,2-Trichloroethane	ND		27.3	µg/m³	10	4/7/2016 09:25 PM
1,1-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 09:25 PM
1,1-Dichloroethene	ND		19.8	µg/m³	10	4/7/2016 09:25 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m³	10	4/7/2016 09:25 PM
1,2,4-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 09:25 PM
1,2-Dibromoethane	ND		38.4	µg/m³	10	4/7/2016 09:25 PM
1,2-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 09:25 PM
1,2-Dichloroethane	ND		20.2	µg/m³	10	4/7/2016 09:25 PM
1,2-Dichloropropane	ND		23.1	µg/m³	10	4/7/2016 09:25 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m³	10	4/7/2016 09:25 PM
1,3-Butadiene	ND		11.1	µg/m³	10	4/7/2016 09:25 PM
1,3-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 09:25 PM
1,4-Dichlorobenzene	ND		30.1	µg/m³	10	4/7/2016 09:25 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-09
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-10
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	4/7/2016 09:25 PM
2-Butanone	ND		14.7	µg/m3	10	4/7/2016 09:25 PM
2-Hexanone	ND		20.5	µg/m3	10	4/7/2016 09:25 PM
2-Propanol	ND		24.6	µg/m3	10	4/7/2016 09:25 PM
4-Ethyltoluene	ND		24.6	µg/m3	10	4/7/2016 09:25 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	4/7/2016 09:25 PM
Acetone	ND		23.8	µg/m3	10	4/7/2016 09:25 PM
Benzene	ND		16.0	µg/m3	10	4/7/2016 09:25 PM
Benzyl chloride	ND		25.9	µg/m3	10	4/7/2016 09:25 PM
Bromodichloromethane	ND		33.5	µg/m3	10	4/7/2016 09:25 PM
Bromoform	ND		51.7	µg/m3	10	4/7/2016 09:25 PM
Bromomethane	ND		19.4	µg/m3	10	4/7/2016 09:25 PM
Carbon disulfide	ND		15.6	µg/m3	10	4/7/2016 09:25 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	4/7/2016 09:25 PM
Chlorobenzene	ND		23.0	µg/m3	10	4/7/2016 09:25 PM
Chloroethane	ND		13.2	µg/m3	10	4/7/2016 09:25 PM
Chloroform	ND		24.4	µg/m3	10	4/7/2016 09:25 PM
Chloromethane	ND		10.3	µg/m3	10	4/7/2016 09:25 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/7/2016 09:25 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/7/2016 09:25 PM
Cumene	ND		24.6	µg/m3	10	4/7/2016 09:25 PM
Cyclohexane	ND		17.2	µg/m3	10	4/7/2016 09:25 PM
Dibromochloromethane	ND		42.6	µg/m3	10	4/7/2016 09:25 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	4/7/2016 09:25 PM
Ethyl acetate	ND		18.0	µg/m3	10	4/7/2016 09:25 PM
Ethylbenzene	ND		21.7	µg/m3	10	4/7/2016 09:25 PM
Freon 113	ND		38.3	µg/m3	10	4/7/2016 09:25 PM
Freon 114	ND		35.0	µg/m3	10	4/7/2016 09:25 PM
Heptane	ND		20.5	µg/m3	10	4/7/2016 09:25 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	4/7/2016 09:25 PM
Hexane	ND		17.6	µg/m3	10	4/7/2016 09:25 PM
m,p-Xylene	ND		21.7	µg/m3	10	4/7/2016 09:25 PM
Methylene chloride	ND		17.4	µg/m3	10	4/7/2016 09:25 PM
MTBE	ND		18.0	µg/m3	10	4/7/2016 09:25 PM
Naphthalene	ND		26.2	µg/m3	10	4/7/2016 09:25 PM
o-Xylene	ND		21.7	µg/m3	10	4/7/2016 09:25 PM
Propene	ND		8.61	µg/m3	10	4/7/2016 09:25 PM
Styrene	ND		21.3	µg/m3	10	4/7/2016 09:25 PM
Tetrachloroethene	1,470		33.9	µg/m3	10	4/7/2016 09:25 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	4/7/2016 09:25 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** SS-09**Lab ID:** 16031103-10**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		18.8	µg/m3	10	4/7/2016 09:25 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/7/2016 09:25 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/7/2016 09:25 PM
Trichloroethene	ND		10.7	µg/m3	10	4/7/2016 09:25 PM
Trichlorofluoromethane	ND		28.1	µg/m3	10	4/7/2016 09:25 PM
Vinyl acetate	ND		17.6	µg/m3	10	4/7/2016 09:25 PM
Vinyl chloride	ND		12.8	µg/m3	10	4/7/2016 09:25 PM
<i>Sur: Bromofluorobenzene</i>	92.1		60-140	%REC	10	4/7/2016 09:25 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-01
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-11 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 10:03 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 10:03 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 10:03 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 10:03 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Acetone	6.4		1.0	ppbv	1	4/7/2016 10:03 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Chloromethane	0.50		0.50	ppbv	1	4/7/2016 10:03 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Dichlorodifluoromethane	0.52		0.50	ppbv	1	4/7/2016 10:03 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-01
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	2.1		0.50	ppbv	1	4/7/2016 10:03 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Hexane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 10:03 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Propene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Tetrachloroethene	2.5		0.50	ppbv	1	4/7/2016 10:03 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Toluene	2.0		0.50	ppbv	1	4/7/2016 10:03 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 10:03 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 10:03 PM
Sum: Bromofluorobenzene	93.2		60-140	%REC	1	4/7/2016 10:03 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 10:03 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/7/2016 10:03 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 10:03 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 10:03 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:03 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/7/2016 10:03 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 10:03 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/7/2016 10:03 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:03 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 10:03 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/7/2016 10:03 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 10:03 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/7/2016 10:03 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:03 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:03 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-01
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 10:03 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 10:03 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 10:03 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 10:03 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 10:03 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 10:03 PM
Acetone	15.3		2.38	µg/m3	1	4/7/2016 10:03 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 10:03 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 10:03 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 10:03 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 10:03 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 10:03 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 10:03 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 10:03 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 10:03 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 10:03 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 10:03 PM
Chloromethane	1.03		1.03	µg/m3	1	4/7/2016 10:03 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:03 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 10:03 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 10:03 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 10:03 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 10:03 PM
Dichlorodifluoromethane	2.57		2.47	µg/m3	1	4/7/2016 10:03 PM
Ethyl acetate	7.53		1.80	µg/m3	1	4/7/2016 10:03 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 10:03 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 10:03 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 10:03 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 10:03 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 10:03 PM
Hexane	ND		1.76	µg/m3	1	4/7/2016 10:03 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 10:03 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 10:03 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 10:03 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 10:03 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 10:03 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 10:03 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 10:03 PM
Tetrachloroethene	16.8		3.39	µg/m3	1	4/7/2016 10:03 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 10:03 PM

Note:

ALS Environmental**Date:** 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-01
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-11
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	7.46		1.88	µg/m3	1	4/7/2016 10:03 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:03 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 10:03 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 10:03 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 10:03 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 10:03 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 10:03 PM
<i>Surrogate:</i> Bromofluorobenzene	93.2		60-140	%REC	1	4/7/2016 10:03 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-03
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,1,2,2-Tetrachloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,1,2-Trichloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,1-Dichloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,1-Dichloroethene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2,4-Trichlorobenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2,4-Trimethylbenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2-Dibromoethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2-Dichlorobenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2-Dichloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,2-Dichloropropane	ND		20	ppbv	40	4/8/2016 02:56 PM
1,3,5-Trimethylbenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,3-Butadiene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,3-Dichlorobenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,4-Dichlorobenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
1,4-Dioxane	ND		40	ppbv	40	4/8/2016 02:56 PM
2-Butanone	ND		20	ppbv	40	4/8/2016 02:56 PM
2-Hexanone	ND		20	ppbv	40	4/8/2016 02:56 PM
2-Propanol	ND		40	ppbv	40	4/8/2016 02:56 PM
4-Ethyltoluene	ND		20	ppbv	40	4/8/2016 02:56 PM
4-Methyl-2-pentanone	ND		20	ppbv	40	4/8/2016 02:56 PM
Acetone	ND		40	ppbv	40	4/8/2016 02:56 PM
Benzene	ND		20	ppbv	40	4/8/2016 02:56 PM
Benzyl chloride	ND		20	ppbv	40	4/8/2016 02:56 PM
Bromodichloromethane	ND		20	ppbv	40	4/8/2016 02:56 PM
Bromoform	ND		20	ppbv	40	4/8/2016 02:56 PM
Bromomethane	ND		20	ppbv	40	4/8/2016 02:56 PM
Carbon disulfide	ND		20	ppbv	40	4/8/2016 02:56 PM
Carbon tetrachloride	ND		20	ppbv	40	4/8/2016 02:56 PM
Chlorobenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
Chloroethane	ND		20	ppbv	40	4/8/2016 02:56 PM
Chloroform	ND		20	ppbv	40	4/8/2016 02:56 PM
Chloromethane	ND		20	ppbv	40	4/8/2016 02:56 PM
cis-1,2-Dichloroethene	ND		20	ppbv	40	4/8/2016 02:56 PM
cis-1,3-Dichloropropene	ND		20	ppbv	40	4/8/2016 02:56 PM
Cumene	ND		20	ppbv	40	4/8/2016 02:56 PM
Cyclohexane	ND		20	ppbv	40	4/8/2016 02:56 PM
Dibromochloromethane	ND		20	ppbv	40	4/8/2016 02:56 PM
Dichlorodifluoromethane	ND		20	ppbv	40	4/8/2016 02:56 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: SS-03

Lab ID: 16031103-12

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		20	ppbv	40	4/8/2016 02:56 PM
Ethylbenzene	ND		20	ppbv	40	4/8/2016 02:56 PM
Freon 113	ND		20	ppbv	40	4/8/2016 02:56 PM
Freon 114	ND		20	ppbv	40	4/8/2016 02:56 PM
Heptane	ND		20	ppbv	40	4/8/2016 02:56 PM
Hexachlorobutadiene	ND		20	ppbv	40	4/8/2016 02:56 PM
Hexane	ND		20	ppbv	40	4/8/2016 02:56 PM
m,p-Xylene	ND		20	ppbv	40	4/8/2016 02:56 PM
Methylene chloride	ND		20	ppbv	40	4/8/2016 02:56 PM
MTBE	ND		20	ppbv	40	4/8/2016 02:56 PM
Naphthalene	ND		20	ppbv	40	4/8/2016 02:56 PM
o-Xylene	ND		20	ppbv	40	4/8/2016 02:56 PM
Propene	ND		20	ppbv	40	4/8/2016 02:56 PM
Styrene	ND		20	ppbv	40	4/8/2016 02:56 PM
Tetrachloroethene	1,900		250	ppbv	500	4/8/2016 03:37 PM
Tetrahydrofuran	ND		20	ppbv	40	4/8/2016 02:56 PM
Toluene	ND		20	ppbv	40	4/8/2016 02:56 PM
trans-1,2-Dichloroethene	ND		20	ppbv	40	4/8/2016 02:56 PM
trans-1,3-Dichloropropene	ND		20	ppbv	40	4/8/2016 02:56 PM
Trichloroethene	ND		8.0	ppbv	40	4/8/2016 02:56 PM
Trichlorofluoromethane	ND		20	ppbv	40	4/8/2016 02:56 PM
Vinyl acetate	ND		20	ppbv	40	4/8/2016 02:56 PM
Vinyl chloride	ND		20	ppbv	40	4/8/2016 02:56 PM
<i>Sum: Bromofluorobenzene</i>	92.6		60-140	%REC	40	4/8/2016 02:56 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		109	µg/m³	40	4/8/2016 02:56 PM
1,1,2,2-Tetrachloroethane	ND		137	µg/m³	40	4/8/2016 02:56 PM
1,1,2-Trichloroethane	ND		109	µg/m³	40	4/8/2016 02:56 PM
1,1-Dichloroethane	ND		80.9	µg/m³	40	4/8/2016 02:56 PM
1,1-Dichloroethene	ND		79.3	µg/m³	40	4/8/2016 02:56 PM
1,2,4-Trichlorobenzene	ND		148	µg/m³	40	4/8/2016 02:56 PM
1,2,4-Trimethylbenzene	ND		98.3	µg/m³	40	4/8/2016 02:56 PM
1,2-Dibromoethane	ND		154	µg/m³	40	4/8/2016 02:56 PM
1,2-Dichlorobenzene	ND		120	µg/m³	40	4/8/2016 02:56 PM
1,2-Dichloroethane	ND		80.9	µg/m³	40	4/8/2016 02:56 PM
1,2-Dichloropropane	ND		92.4	µg/m³	40	4/8/2016 02:56 PM
1,3,5-Trimethylbenzene	ND		98.3	µg/m³	40	4/8/2016 02:56 PM
1,3-Butadiene	ND		44.2	µg/m³	40	4/8/2016 02:56 PM
1,3-Dichlorobenzene	ND		120	µg/m³	40	4/8/2016 02:56 PM
1,4-Dichlorobenzene	ND		120	µg/m³	40	4/8/2016 02:56 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-03
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-12
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		144	µg/m3	40	4/8/2016 02:56 PM
2-Butanone	ND		59.0	µg/m3	40	4/8/2016 02:56 PM
2-Hexanone	ND		81.9	µg/m3	40	4/8/2016 02:56 PM
2-Propanol	ND		98.3	µg/m3	40	4/8/2016 02:56 PM
4-Ethyltoluene	ND		98.3	µg/m3	40	4/8/2016 02:56 PM
4-Methyl-2-pentanone	ND		81.9	µg/m3	40	4/8/2016 02:56 PM
Acetone	ND		95.0	µg/m3	40	4/8/2016 02:56 PM
Benzene	ND		63.9	µg/m3	40	4/8/2016 02:56 PM
Benzyl chloride	ND		104	µg/m3	40	4/8/2016 02:56 PM
Bromodichloromethane	ND		134	µg/m3	40	4/8/2016 02:56 PM
Bromoform	ND		207	µg/m3	40	4/8/2016 02:56 PM
Bromomethane	ND		77.7	µg/m3	40	4/8/2016 02:56 PM
Carbon disulfide	ND		62.3	µg/m3	40	4/8/2016 02:56 PM
Carbon tetrachloride	ND		126	µg/m3	40	4/8/2016 02:56 PM
Chlorobenzene	ND		92.1	µg/m3	40	4/8/2016 02:56 PM
Chloroethane	ND		52.8	µg/m3	40	4/8/2016 02:56 PM
Chloroform	ND		97.6	µg/m3	40	4/8/2016 02:56 PM
Chloromethane	ND		41.3	µg/m3	40	4/8/2016 02:56 PM
cis-1,2-Dichloroethene	ND		79.3	µg/m3	40	4/8/2016 02:56 PM
cis-1,3-Dichloropropene	ND		90.8	µg/m3	40	4/8/2016 02:56 PM
Cumene	ND		98.3	µg/m3	40	4/8/2016 02:56 PM
Cyclohexane	ND		68.8	µg/m3	40	4/8/2016 02:56 PM
Dibromochloromethane	ND		170	µg/m3	40	4/8/2016 02:56 PM
Dichlorodifluoromethane	ND		98.9	µg/m3	40	4/8/2016 02:56 PM
Ethyl acetate	ND		72.1	µg/m3	40	4/8/2016 02:56 PM
Ethylbenzene	ND		86.8	µg/m3	40	4/8/2016 02:56 PM
Freon 113	ND		153	µg/m3	40	4/8/2016 02:56 PM
Freon 114	ND		140	µg/m3	40	4/8/2016 02:56 PM
Heptane	ND		82.0	µg/m3	40	4/8/2016 02:56 PM
Hexachlorobutadiene	ND		213	µg/m3	40	4/8/2016 02:56 PM
Hexane	ND		70.5	µg/m3	40	4/8/2016 02:56 PM
m,p-Xylene	ND		86.8	µg/m3	40	4/8/2016 02:56 PM
Methylene chloride	ND		69.5	µg/m3	40	4/8/2016 02:56 PM
MTBE	ND		72.1	µg/m3	40	4/8/2016 02:56 PM
Naphthalene	ND		105	µg/m3	40	4/8/2016 02:56 PM
o-Xylene	ND		86.8	µg/m3	40	4/8/2016 02:56 PM
Propene	ND		34.4	µg/m3	40	4/8/2016 02:56 PM
Styrene	ND		85.2	µg/m3	40	4/8/2016 02:56 PM
Tetrachloroethene	13,100		1,700	µg/m3	500	4/8/2016 03:37 PM
Tetrahydrofuran	ND		59.0	µg/m3	40	4/8/2016 02:56 PM

Note:

ALS Environmental**Date: 11-Apr-16****Client:** Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** SS-03**Lab ID:** 16031103-12**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		75.4	µg/m3	40	4/8/2016 02:56 PM
trans-1,2-Dichloroethene	ND		79.3	µg/m3	40	4/8/2016 02:56 PM
trans-1,3-Dichloropropene	ND		90.8	µg/m3	40	4/8/2016 02:56 PM
Trichloroethene	ND		43.0	µg/m3	40	4/8/2016 02:56 PM
Trichlorofluoromethane	ND		112	µg/m3	40	4/8/2016 02:56 PM
Vinyl acetate	ND		70.4	µg/m3	40	4/8/2016 02:56 PM
Vinyl chloride	ND		51.1	µg/m3	40	4/8/2016 02:56 PM
<i>Surrogate:</i> Bromofluorobenzene	92.6		60-140	%REC	40	4/8/2016 02:56 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 10:43 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 10:43 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 10:43 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 10:43 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Acetone	7.8		1.0	ppbv	1	4/7/2016 10:43 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Chloromethane	0.58		0.50	ppbv	1	4/7/2016 10:43 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	2.0		0.50	ppbv	1	4/7/2016 10:43 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Hexane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
m,p-Xylene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 10:43 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Propene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Tetrachloroethene	2.1		0.50	ppbv	1	4/7/2016 10:43 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Toluene	2.1		0.50	ppbv	1	4/7/2016 10:43 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 10:43 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 10:43 PM
Sur: Bromofluorobenzene	89.7		60-140	%REC	1	4/7/2016 10:43 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 10:43 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/7/2016 10:43 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/7/2016 10:43 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 10:43 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:43 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/7/2016 10:43 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 10:43 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/7/2016 10:43 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:43 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/7/2016 10:43 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/7/2016 10:43 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/7/2016 10:43 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/7/2016 10:43 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:43 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/7/2016 10:43 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 10:43 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 10:43 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 10:43 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 10:43 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 10:43 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 10:43 PM
Acetone	18.6		2.38	µg/m3	1	4/7/2016 10:43 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 10:43 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 10:43 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 10:43 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 10:43 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 10:43 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 10:43 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 10:43 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 10:43 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 10:43 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 10:43 PM
Chloromethane	1.20		1.03	µg/m3	1	4/7/2016 10:43 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:43 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 10:43 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 10:43 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 10:43 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 10:43 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/7/2016 10:43 PM
Ethyl acetate	7.21		1.80	µg/m3	1	4/7/2016 10:43 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 10:43 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 10:43 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 10:43 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 10:43 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 10:43 PM
Hexane	ND		1.76	µg/m3	1	4/7/2016 10:43 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/7/2016 10:43 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 10:43 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 10:43 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 10:43 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 10:43 PM
Propene	ND		0.861	µg/m3	1	4/7/2016 10:43 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 10:43 PM
Tetrachloroethene	14.3		3.39	µg/m3	1	4/7/2016 10:43 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 10:43 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-13
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	7.95		1.88	µg/m3	1	4/7/2016 10:43 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 10:43 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 10:43 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 10:43 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 10:43 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 10:43 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 10:43 PM
<i>Surrogate:</i> Bromofluorobenzene	89.7		60-140	%REC	1	4/7/2016 10:43 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-14
Matrix: AIR

Analyses	Result	Qual.	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2,4-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/7/2016 11:22 PM
2-Butanone	ND		0.50	ppbv	1	4/7/2016 11:22 PM
2-Hexanone	ND		0.50	ppbv	1	4/7/2016 11:22 PM
2-Propanol	ND		1.0	ppbv	1	4/7/2016 11:22 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Acetone	4.3		1.0	ppbv	1	4/7/2016 11:22 PM
Benzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Benzyl chloride	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Bromoform	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Bromomethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Carbon disulfide	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Chlorobenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Chloroethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Chloroform	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Chloromethane	0.58		0.50	ppbv	1	4/7/2016 11:22 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Cumene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Cyclohexane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Dichlorodifluoromethane	0.56		0.50	ppbv	1	4/7/2016 11:22 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** IA-04**Lab ID:** 16031103-14**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Ethylbenzene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Freon 113	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Freon 114	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Heptane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Hexane	1.1		0.50	ppbv	1	4/7/2016 11:22 PM
m,p-Xylene	0.78		0.50	ppbv	1	4/7/2016 11:22 PM
Methylene chloride	ND		0.50	ppbv	1	4/7/2016 11:22 PM
MTBE	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Naphthalene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
o-Xylene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Propene	2.7		0.50	ppbv	1	4/7/2016 11:22 PM
Styrene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Tetrachloroethene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Toluene	3.6		0.50	ppbv	1	4/7/2016 11:22 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Trichloroethene	ND		0.20	ppbv	1	4/7/2016 11:22 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Vinyl acetate	ND		0.50	ppbv	1	4/7/2016 11:22 PM
Vinyl chloride	ND		0.50	ppbv	1	4/7/2016 11:22 PM
<i>Sur: Bromofluorobenzene</i>	97.3		60-140	%REC	1	4/7/2016 11:22 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 11:22 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/7/2016 11:22 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/7/2016 11:22 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 11:22 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/7/2016 11:22 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/7/2016 11:22 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 11:22 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/7/2016 11:22 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 11:22 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/7/2016 11:22 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/7/2016 11:22 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/7/2016 11:22 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/7/2016 11:22 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 11:22 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/7/2016 11:22 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-14
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/7/2016 11:22 PM
2-Butanone	ND		1.47	µg/m3	1	4/7/2016 11:22 PM
2-Hexanone	ND		2.05	µg/m3	1	4/7/2016 11:22 PM
2-Propanol	ND		2.46	µg/m3	1	4/7/2016 11:22 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/7/2016 11:22 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/7/2016 11:22 PM
Acetone	10.1		2.38	µg/m3	1	4/7/2016 11:22 PM
Benzene	ND		1.60	µg/m3	1	4/7/2016 11:22 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/7/2016 11:22 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/7/2016 11:22 PM
Bromoform	ND		5.17	µg/m3	1	4/7/2016 11:22 PM
Bromomethane	ND		1.94	µg/m3	1	4/7/2016 11:22 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/7/2016 11:22 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/7/2016 11:22 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/7/2016 11:22 PM
Chloroethane	ND		1.32	µg/m3	1	4/7/2016 11:22 PM
Chloroform	ND		2.44	µg/m3	1	4/7/2016 11:22 PM
Chloromethane	1.20		1.03	µg/m3	1	4/7/2016 11:22 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 11:22 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 11:22 PM
Cumene	ND		2.46	µg/m3	1	4/7/2016 11:22 PM
Cyclohexane	ND		1.72	µg/m3	1	4/7/2016 11:22 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/7/2016 11:22 PM
Dichlorodifluoromethane	2.77		2.47	µg/m3	1	4/7/2016 11:22 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/7/2016 11:22 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/7/2016 11:22 PM
Freon 113	ND		3.83	µg/m3	1	4/7/2016 11:22 PM
Freon 114	ND		3.50	µg/m3	1	4/7/2016 11:22 PM
Heptane	ND		2.05	µg/m3	1	4/7/2016 11:22 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/7/2016 11:22 PM
Hexane	3.74		1.76	µg/m3	1	4/7/2016 11:22 PM
m,p-Xylene	3.39		2.17	µg/m3	1	4/7/2016 11:22 PM
Methylene chloride	ND		1.74	µg/m3	1	4/7/2016 11:22 PM
MTBE	ND		1.80	µg/m3	1	4/7/2016 11:22 PM
Naphthalene	ND		2.62	µg/m3	1	4/7/2016 11:22 PM
o-Xylene	ND		2.17	µg/m3	1	4/7/2016 11:22 PM
Propene	4.65		0.861	µg/m3	1	4/7/2016 11:22 PM
Styrene	ND		2.13	µg/m3	1	4/7/2016 11:22 PM
Tetrachloroethene	ND		3.39	µg/m3	1	4/7/2016 11:22 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/7/2016 11:22 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-14
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	13.6		1.88	µg/m3	1	4/7/2016 11:22 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/7/2016 11:22 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/7/2016 11:22 PM
Trichloroethene	ND		1.07	µg/m3	1	4/7/2016 11:22 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/7/2016 11:22 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/7/2016 11:22 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/7/2016 11:22 PM
<i>Surrogate:</i> Bromofluorobenzene	97.3		60-140	%REC	1	4/7/2016 11:22 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-08
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-15
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,1,2,2-Tetrachloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,1,2-Trichloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,1-Dichloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,1-Dichloroethene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2,4-Trichlorobenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2,4-Trimethylbenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2-Dibromoethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2-Dichlorobenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2-Dichloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,2-Dichloropropane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,3,5-Trimethylbenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,3-Butadiene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,3-Dichlorobenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,4-Dichlorobenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
1,4-Dioxane	ND		10	ppbv	10	4/8/2016 12:00 PM
2-Butanone	ND		5.0	ppbv	10	4/8/2016 12:00 PM
2-Hexanone	ND		5.0	ppbv	10	4/8/2016 12:00 PM
2-Propanol	ND		10	ppbv	10	4/8/2016 12:00 PM
4-Ethyltoluene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
4-Methyl-2-pentanone	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Acetone	ND		10	ppbv	10	4/8/2016 12:00 PM
Benzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Benzyl chloride	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Bromodichloromethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Bromoform	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Bromomethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Carbon disulfide	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Carbon tetrachloride	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Chlorobenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Chloroethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Chloroform	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Chloromethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
cis-1,2-Dichloroethene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
cis-1,3-Dichloropropene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Cumene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Cyclohexane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Dibromochloromethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Dichlorodifluoromethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy **Work Order:** 16031103
Sample ID: SS-08 **Lab ID:** 16031103-15
Collection Date: 3/30/2016 **Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Ethylbenzene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Freon 113	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Freon 114	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Heptane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Hexachlorobutadiene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Hexane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
m,p-Xylene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Methylene chloride	ND		5.0	ppbv	10	4/8/2016 12:00 PM
MTBE	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Naphthalene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
o-Xylene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Propene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Styrene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Tetrachloroethene	46		5.0	ppbv	10	4/8/2016 12:00 PM
Tetrahydrofuran	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Toluene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
trans-1,2-Dichloroethene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
trans-1,3-Dichloropropene	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Trichloroethene	ND		2.0	ppbv	10	4/8/2016 12:00 PM
Trichlorofluoromethane	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Vinyl acetate	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Vinyl chloride	ND		5.0	ppbv	10	4/8/2016 12:00 PM
Surr: Bromofluorobenzene	99.1		60-140	%REC	10	4/8/2016 12:00 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		27.3	µg/m3	10	4/8/2016 12:00 PM
1,1,2,2-Tetrachloroethane	ND		34.3	µg/m3	10	4/8/2016 12:00 PM
1,1,2-Trichloroethane	ND		27.3	µg/m3	10	4/8/2016 12:00 PM
1,1-Dichloroethane	ND		20.2	µg/m3	10	4/8/2016 12:00 PM
1,1-Dichloroethene	ND		19.8	µg/m3	10	4/8/2016 12:00 PM
1,2,4-Trichlorobenzene	ND		37.1	µg/m3	10	4/8/2016 12:00 PM
1,2,4-Trimethylbenzene	ND		24.6	µg/m3	10	4/8/2016 12:00 PM
1,2-Dibromoethane	ND		38.4	µg/m3	10	4/8/2016 12:00 PM
1,2-Dichlorobenzene	ND		30.1	µg/m3	10	4/8/2016 12:00 PM
1,2-Dichloroethane	ND		20.2	µg/m3	10	4/8/2016 12:00 PM
1,2-Dichloropropane	ND		23.1	µg/m3	10	4/8/2016 12:00 PM
1,3,5-Trimethylbenzene	ND		24.6	µg/m3	10	4/8/2016 12:00 PM
1,3-Butadiene	ND		11.1	µg/m3	10	4/8/2016 12:00 PM
1,3-Dichlorobenzene	ND		30.1	µg/m3	10	4/8/2016 12:00 PM
1,4-Dichlorobenzene	ND		30.1	µg/m3	10	4/8/2016 12:00 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-08
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-15
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		36.0	µg/m3	10	4/8/2016 12:00 PM
2-Butanone	ND		14.7	µg/m3	10	4/8/2016 12:00 PM
2-Hexanone	ND		20.5	µg/m3	10	4/8/2016 12:00 PM
2-Propanol	ND		24.6	µg/m3	10	4/8/2016 12:00 PM
4-Ethyltoluene	ND		24.6	µg/m3	10	4/8/2016 12:00 PM
4-Methyl-2-pentanone	ND		20.5	µg/m3	10	4/8/2016 12:00 PM
Acetone	ND		23.8	µg/m3	10	4/8/2016 12:00 PM
Benzene	ND		16.0	µg/m3	10	4/8/2016 12:00 PM
Benzyl chloride	ND		25.9	µg/m3	10	4/8/2016 12:00 PM
Bromodichloromethane	ND		33.5	µg/m3	10	4/8/2016 12:00 PM
Bromoform	ND		51.7	µg/m3	10	4/8/2016 12:00 PM
Bromomethane	ND		19.4	µg/m3	10	4/8/2016 12:00 PM
Carbon disulfide	ND		15.6	µg/m3	10	4/8/2016 12:00 PM
Carbon tetrachloride	ND		31.5	µg/m3	10	4/8/2016 12:00 PM
Chlorobenzene	ND		23.0	µg/m3	10	4/8/2016 12:00 PM
Chloroethane	ND		13.2	µg/m3	10	4/8/2016 12:00 PM
Chloroform	ND		24.4	µg/m3	10	4/8/2016 12:00 PM
Chloromethane	ND		10.3	µg/m3	10	4/8/2016 12:00 PM
cis-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/8/2016 12:00 PM
cis-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/8/2016 12:00 PM
Cumene	ND		24.6	µg/m3	10	4/8/2016 12:00 PM
Cyclohexane	ND		17.2	µg/m3	10	4/8/2016 12:00 PM
Dibromochloromethane	ND		42.6	µg/m3	10	4/8/2016 12:00 PM
Dichlorodifluoromethane	ND		24.7	µg/m3	10	4/8/2016 12:00 PM
Ethyl acetate	ND		18.0	µg/m3	10	4/8/2016 12:00 PM
Ethylbenzene	ND		21.7	µg/m3	10	4/8/2016 12:00 PM
Freon 113	ND		38.3	µg/m3	10	4/8/2016 12:00 PM
Freon 114	ND		35.0	µg/m3	10	4/8/2016 12:00 PM
Heptane	ND		20.5	µg/m3	10	4/8/2016 12:00 PM
Hexachlorobutadiene	ND		53.3	µg/m3	10	4/8/2016 12:00 PM
Hexane	ND		17.6	µg/m3	10	4/8/2016 12:00 PM
m,p-Xylene	ND		21.7	µg/m3	10	4/8/2016 12:00 PM
Methylene chloride	ND		17.4	µg/m3	10	4/8/2016 12:00 PM
MTBE	ND		18.0	µg/m3	10	4/8/2016 12:00 PM
Naphthalene	ND		26.2	µg/m3	10	4/8/2016 12:00 PM
o-Xylene	ND		21.7	µg/m3	10	4/8/2016 12:00 PM
Propene	ND		8.61	µg/m3	10	4/8/2016 12:00 PM
Styrene	ND		21.3	µg/m3	10	4/8/2016 12:00 PM
Tetrachloroethene	312		33.9	µg/m3	10	4/8/2016 12:00 PM
Tetrahydrofuran	ND		14.7	µg/m3	10	4/8/2016 12:00 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-08
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-15
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	ND		18.8	µg/m3	10	4/8/2016 12:00 PM
trans-1,2-Dichloroethene	ND		19.8	µg/m3	10	4/8/2016 12:00 PM
trans-1,3-Dichloropropene	ND		22.7	µg/m3	10	4/8/2016 12:00 PM
Trichloroethene	ND		10.7	µg/m3	10	4/8/2016 12:00 PM
Trichlorofluoromethane	ND		28.1	µg/m3	10	4/8/2016 12:00 PM
Vinyl acetate	ND		17.6	µg/m3	10	4/8/2016 12:00 PM
Vinyl chloride	ND		12.8	µg/m3	10	4/8/2016 12:00 PM
<i>Surr: Bromofluorobenzene</i>	99.1		60-140	%REC	10	4/8/2016 12:00 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-09
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-16
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,1,2,2-Tetrachloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,1,2-Trichloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,1-Dichloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,1-Dichloroethene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2,4-Trichlorobenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2,4-Trimethylbenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2-Dibromoethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2-Dichlorobenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2-Dichloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,2-Dichloropropane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,3,5-Trimethylbenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,3-Butadiene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,3-Dichlorobenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,4-Dichlorobenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
1,4-Dioxane	ND	1.0	ppbv	1		4/8/2016 12:37 PM
2-Butanone	ND	0.50	ppbv	1		4/8/2016 12:37 PM
2-Hexanone	ND	0.50	ppbv	1		4/8/2016 12:37 PM
2-Propanol	ND	1.0	ppbv	1		4/8/2016 12:37 PM
4-Ethyltoluene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
4-Methyl-2-pentanone	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Acetone	2.6	1.0	ppbv	1		4/8/2016 12:37 PM
Benzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Benzyl chloride	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Bromodichloromethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Bromoform	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Bromomethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Carbon disulfide	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Carbon tetrachloride	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Chlorobenzene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Chloroethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Chloroform	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Chloromethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
cis-1,2-Dichloroethene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
cis-1,3-Dichloropropene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Cumene	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Cyclohexane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Dibromochloromethane	ND	0.50	ppbv	1		4/8/2016 12:37 PM
Dichlorodifluoromethane	0.52	0.50	ppbv	1		4/8/2016 12:37 PM

Note:

ALS Environmental
Date: 11-Apr-16
Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: IA-09

Lab ID: 16031103-16

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Ethylbenzene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Freon 113	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Freon 114	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Heptane	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Hexane	ND		0.50	ppbv	1	4/8/2016 12:37 PM
m,p-Xylene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Methylene chloride	ND		0.50	ppbv	1	4/8/2016 12:37 PM
MTBE	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Naphthalene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
o-Xylene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Propene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Styrene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Tetrachloroethene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Toluene	2.6		0.50	ppbv	1	4/8/2016 12:37 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Trichloroethene	ND		0.20	ppbv	1	4/8/2016 12:37 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Vinyl acetate	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Vinyl chloride	ND		0.50	ppbv	1	4/8/2016 12:37 PM
Surr: Bromofluorobenzene	98.3		60-140	%REC	1	4/8/2016 12:37 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 12:37 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/8/2016 12:37 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 12:37 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 12:37 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 12:37 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/8/2016 12:37 PM
1,2,4-Trimethylbenzene	ND		2.46	µg/m3	1	4/8/2016 12:37 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/8/2016 12:37 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 12:37 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 12:37 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/8/2016 12:37 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/8/2016 12:37 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/8/2016 12:37 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 12:37 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 12:37 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-09
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-16
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/8/2016 12:37 PM
2-Butanone	ND		1.47	µg/m3	1	4/8/2016 12:37 PM
2-Hexanone	ND		2.05	µg/m3	1	4/8/2016 12:37 PM
2-Propanol	ND		2.46	µg/m3	1	4/8/2016 12:37 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/8/2016 12:37 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/8/2016 12:37 PM
Acetone	6.10		2.38	µg/m3	1	4/8/2016 12:37 PM
Benzene	ND		1.60	µg/m3	1	4/8/2016 12:37 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/8/2016 12:37 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/8/2016 12:37 PM
Bromoform	ND		5.17	µg/m3	1	4/8/2016 12:37 PM
Bromomethane	ND		1.94	µg/m3	1	4/8/2016 12:37 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/8/2016 12:37 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/8/2016 12:37 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/8/2016 12:37 PM
Chloroethane	ND		1.32	µg/m3	1	4/8/2016 12:37 PM
Chloroform	ND		2.44	µg/m3	1	4/8/2016 12:37 PM
Chloromethane	ND		1.03	µg/m3	1	4/8/2016 12:37 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 12:37 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 12:37 PM
Cumene	ND		2.46	µg/m3	1	4/8/2016 12:37 PM
Cyclohexane	ND		1.72	µg/m3	1	4/8/2016 12:37 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/8/2016 12:37 PM
Dichlorodifluoromethane	2.57		2.47	µg/m3	1	4/8/2016 12:37 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/8/2016 12:37 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/8/2016 12:37 PM
Freon 113	ND		3.83	µg/m3	1	4/8/2016 12:37 PM
Freon 114	ND		3.50	µg/m3	1	4/8/2016 12:37 PM
Heptane	ND		2.05	µg/m3	1	4/8/2016 12:37 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/8/2016 12:37 PM
Hexane	ND		1.76	µg/m3	1	4/8/2016 12:37 PM
m,p-Xylene	ND		2.17	µg/m3	1	4/8/2016 12:37 PM
Methylene chloride	ND		1.74	µg/m3	1	4/8/2016 12:37 PM
MTBE	ND		1.80	µg/m3	1	4/8/2016 12:37 PM
Naphthalene	ND		2.62	µg/m3	1	4/8/2016 12:37 PM
o-Xylene	ND		2.17	µg/m3	1	4/8/2016 12:37 PM
Propene	ND		0.861	µg/m3	1	4/8/2016 12:37 PM
Styrene	ND		2.13	µg/m3	1	4/8/2016 12:37 PM
Tetrachloroethene	ND		3.39	µg/m3	1	4/8/2016 12:37 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/8/2016 12:37 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: IA-09
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-16
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	9.65		1.88	µg/m3	1	4/8/2016 12:37 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 12:37 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 12:37 PM
Trichloroethene	ND		1.07	µg/m3	1	4/8/2016 12:37 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/8/2016 12:37 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/8/2016 12:37 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/8/2016 12:37 PM
Surr: Bromofluorobenzene	98.3		60-140	%REC	1	4/8/2016 12:37 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-05
Collection Date: 3/30/2016

	Work Order: 16031103
	Lab ID: 16031103-17
	Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,2,4-Trimethylbenzene	1.3		0.50	ppbv	1	4/8/2016 12:11 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/8/2016 12:11 PM
2-Butanone	ND		0.50	ppbv	1	4/8/2016 12:11 PM
2-Hexanone	ND		0.50	ppbv	1	4/8/2016 12:11 PM
2-Propanol	ND		1.0	ppbv	1	4/8/2016 12:11 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Acetone	4.1		1.0	ppbv	1	4/8/2016 12:11 PM
Benzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Benzyl chloride	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Bromoform	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Bromomethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Carbon disulfide	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Chlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Chloroethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Chloroform	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Chloromethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Cumene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Cyclohexane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Dichlorodifluoromethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-05
Collection Date: 3/30/2016 **Work Order:** 16031103
Lab ID: 16031103-17
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Ethylbenzene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Freon 113	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Freon 114	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Heptane	0.65		0.50	ppbv	1	4/8/2016 12:11 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Hexane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
m,p-Xylene	1.5		0.50	ppbv	1	4/8/2016 12:11 PM
Methylene chloride	ND		0.50	ppbv	1	4/8/2016 12:11 PM
MTBE	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Naphthalene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
o-Xylene	0.55		0.50	ppbv	1	4/8/2016 12:11 PM
Propene	0.80		0.50	ppbv	1	4/8/2016 12:11 PM
Styrene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Tetrachloroethene	6.5		0.50	ppbv	1	4/8/2016 12:11 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Toluene	1.5		0.50	ppbv	1	4/8/2016 12:11 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Trichloroethene	ND		0.20	ppbv	1	4/8/2016 12:11 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Vinyl acetate	ND		0.50	ppbv	1	4/8/2016 12:11 PM
Vinyl chloride	ND		0.50	ppbv	1	4/8/2016 12:11 PM
<i>Surr.</i> Bromofluorobenzene	95.9		60-140	%REC	1	4/8/2016 12:11 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/8/2016 12:11 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/8/2016 12:11 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/8/2016 12:11 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/8/2016 12:11 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/8/2016 12:11 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/8/2016 12:11 PM
1,2,4-Trimethylbenzene	6.29		2.46	µg/m³	1	4/8/2016 12:11 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/8/2016 12:11 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:11 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/8/2016 12:11 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/8/2016 12:11 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/8/2016 12:11 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/8/2016 12:11 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:11 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:11 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-05
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-17
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/8/2016 12:11 PM
2-Butanone	ND		1.47	µg/m3	1	4/8/2016 12:11 PM
2-Hexanone	ND		2.05	µg/m3	1	4/8/2016 12:11 PM
2-Propanol	ND		2.46	µg/m3	1	4/8/2016 12:11 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/8/2016 12:11 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/8/2016 12:11 PM
Acetone	9.76		2.38	µg/m3	1	4/8/2016 12:11 PM
Benzene	ND		1.60	µg/m3	1	4/8/2016 12:11 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/8/2016 12:11 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/8/2016 12:11 PM
Bromoform	ND		5.17	µg/m3	1	4/8/2016 12:11 PM
Bromomethane	ND		1.94	µg/m3	1	4/8/2016 12:11 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/8/2016 12:11 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/8/2016 12:11 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/8/2016 12:11 PM
Chloroethane	ND		1.32	µg/m3	1	4/8/2016 12:11 PM
Chloroform	ND		2.44	µg/m3	1	4/8/2016 12:11 PM
Chloromethane	ND		1.03	µg/m3	1	4/8/2016 12:11 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 12:11 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 12:11 PM
Cumene	ND		2.46	µg/m3	1	4/8/2016 12:11 PM
Cyclohexane	ND		1.72	µg/m3	1	4/8/2016 12:11 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/8/2016 12:11 PM
Dichlorodifluoromethane	ND		2.47	µg/m3	1	4/8/2016 12:11 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/8/2016 12:11 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/8/2016 12:11 PM
Freon 113	ND		3.83	µg/m3	1	4/8/2016 12:11 PM
Freon 114	ND		3.50	µg/m3	1	4/8/2016 12:11 PM
Heptane	2.66		2.05	µg/m3	1	4/8/2016 12:11 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/8/2016 12:11 PM
Hexane	ND		1.76	µg/m3	1	4/8/2016 12:11 PM
m,p-Xylene	6.56		2.17	µg/m3	1	4/8/2016 12:11 PM
Methylene chloride	ND		1.74	µg/m3	1	4/8/2016 12:11 PM
MTBE	ND		1.80	µg/m3	1	4/8/2016 12:11 PM
Naphthalene	ND		2.62	µg/m3	1	4/8/2016 12:11 PM
o-Xylene	2.39		2.17	µg/m3	1	4/8/2016 12:11 PM
Propene	1.38		0.861	µg/m3	1	4/8/2016 12:11 PM
Styrene	ND		2.13	µg/m3	1	4/8/2016 12:11 PM
Tetrachloroethene	44.3		3.39	µg/m3	1	4/8/2016 12:11 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/8/2016 12:11 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-05
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-17
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	5.77		1.88	µg/m3	1	4/8/2016 12:11 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 12:11 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 12:11 PM
Trichloroethene	ND		1.07	µg/m3	1	4/8/2016 12:11 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/8/2016 12:11 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/8/2016 12:11 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/8/2016 12:11 PM
<i>Sur: Bromofluorobenzene</i>	95.9		60-140	%REC	1	4/8/2016 12:11 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-02
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-18
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,2,4-Trimethylbenzene	1.3		0.50	ppbv	1	4/8/2016 12:49 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/8/2016 12:49 PM
2-Butanone	0.81		0.50	ppbv	1	4/8/2016 12:49 PM
2-Hexanone	ND		0.50	ppbv	1	4/8/2016 12:49 PM
2-Propanol	ND		1.0	ppbv	1	4/8/2016 12:49 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Acetone	10		1.0	ppbv	1	4/8/2016 12:49 PM
Benzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Benzyl chloride	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Bromoform	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Bromomethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Carbon disulfide	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Chlorobenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Chloroethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Chloroform	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Chloromethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Cumene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Cyclohexane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Dichlorodifluoromethane	0.52		0.50	ppbv	1	4/8/2016 12:49 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-02
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-18
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Ethylbenzene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Freon 113	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Freon 114	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Heptane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Hexane	0.57		0.50	ppbv	1	4/8/2016 12:49 PM
m,p-Xylene	1.5		0.50	ppbv	1	4/8/2016 12:49 PM
Methylene chloride	ND		0.50	ppbv	1	4/8/2016 12:49 PM
MTBE	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Naphthalene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
o-Xylene	0.52		0.50	ppbv	1	4/8/2016 12:49 PM
Propene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Styrene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Tetrachloroethene	1.4		0.50	ppbv	1	4/8/2016 12:49 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Toluene	2.4		0.50	ppbv	1	4/8/2016 12:49 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Trichloroethene	ND		0.20	ppbv	1	4/8/2016 12:49 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Vinyl acetate	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Vinyl chloride	ND		0.50	ppbv	1	4/8/2016 12:49 PM
Surr: Bromofluorobenzene	99.5		60-140	%REC	1	4/8/2016 12:49 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m³	1	4/8/2016 12:49 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m³	1	4/8/2016 12:49 PM
1,1,2-Trichloroethane	ND		2.73	µg/m³	1	4/8/2016 12:49 PM
1,1-Dichloroethane	ND		2.02	µg/m³	1	4/8/2016 12:49 PM
1,1-Dichloroethene	ND		1.98	µg/m³	1	4/8/2016 12:49 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m³	1	4/8/2016 12:49 PM
1,2,4-Trimethylbenzene	6.54		2.46	µg/m³	1	4/8/2016 12:49 PM
1,2-Dibromoethane	ND		3.84	µg/m³	1	4/8/2016 12:49 PM
1,2-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:49 PM
1,2-Dichloroethane	ND		2.02	µg/m³	1	4/8/2016 12:49 PM
1,2-Dichloropropane	ND		2.31	µg/m³	1	4/8/2016 12:49 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m³	1	4/8/2016 12:49 PM
1,3-Butadiene	ND		1.11	µg/m³	1	4/8/2016 12:49 PM
1,3-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:49 PM
1,4-Dichlorobenzene	ND		3.01	µg/m³	1	4/8/2016 12:49 PM

Note:

ALS Environmental
Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-02
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-18
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m ³	1	4/8/2016 12:49 PM
2-Butanone	2.39		1.47	µg/m³	1	4/8/2016 12:49 PM
2-Hexanone	ND		2.05	µg/m ³	1	4/8/2016 12:49 PM
2-Propanol	ND		2.46	µg/m ³	1	4/8/2016 12:49 PM
4-Ethyltoluene	ND		2.46	µg/m ³	1	4/8/2016 12:49 PM
4-Methyl-2-pentanone	ND		2.05	µg/m ³	1	4/8/2016 12:49 PM
Acetone	23.7		2.38	µg/m³	1	4/8/2016 12:49 PM
Benzene	ND		1.60	µg/m ³	1	4/8/2016 12:49 PM
Benzyl chloride	ND		2.59	µg/m ³	1	4/8/2016 12:49 PM
Bromodichloromethane	ND		3.35	µg/m ³	1	4/8/2016 12:49 PM
Bromoform	ND		5.17	µg/m ³	1	4/8/2016 12:49 PM
Bromomethane	ND		1.94	µg/m ³	1	4/8/2016 12:49 PM
Carbon disulfide	ND		1.56	µg/m ³	1	4/8/2016 12:49 PM
Carbon tetrachloride	ND		3.15	µg/m ³	1	4/8/2016 12:49 PM
Chlorobenzene	ND		2.30	µg/m ³	1	4/8/2016 12:49 PM
Chloroethane	ND		1.32	µg/m ³	1	4/8/2016 12:49 PM
Chloroform	ND		2.44	µg/m ³	1	4/8/2016 12:49 PM
Chloromethane	ND		1.03	µg/m ³	1	4/8/2016 12:49 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m ³	1	4/8/2016 12:49 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m ³	1	4/8/2016 12:49 PM
Cumene	ND		2.46	µg/m ³	1	4/8/2016 12:49 PM
Cyclohexane	ND		1.72	µg/m ³	1	4/8/2016 12:49 PM
Dibromochloromethane	ND		4.26	µg/m ³	1	4/8/2016 12:49 PM
Dichlorodifluoromethane	2.57		2.47	µg/m³	1	4/8/2016 12:49 PM
Ethyl acetate	ND		1.80	µg/m ³	1	4/8/2016 12:49 PM
Ethylbenzene	ND		2.17	µg/m ³	1	4/8/2016 12:49 PM
Freon 113	ND		3.83	µg/m ³	1	4/8/2016 12:49 PM
Freon 114	ND		3.50	µg/m ³	1	4/8/2016 12:49 PM
Heptane	ND		2.05	µg/m ³	1	4/8/2016 12:49 PM
Hexachlorobutadiene	ND		5.33	µg/m ³	1	4/8/2016 12:49 PM
Hexane	2.01		1.76	µg/m³	1	4/8/2016 12:49 PM
m,p-Xylene	6.60		2.17	µg/m³	1	4/8/2016 12:49 PM
Methylene chloride	ND		1.74	µg/m ³	1	4/8/2016 12:49 PM
MTBE	ND		1.80	µg/m ³	1	4/8/2016 12:49 PM
Naphthalene	ND		2.62	µg/m ³	1	4/8/2016 12:49 PM
o-Xylene	2.26		2.17	µg/m³	1	4/8/2016 12:49 PM
Propene	ND		0.861	µg/m ³	1	4/8/2016 12:49 PM
Styrene	ND		2.13	µg/m ³	1	4/8/2016 12:49 PM
Tetrachloroethene	9.70		3.39	µg/m³	1	4/8/2016 12:49 PM
Tetrahydrofuran	ND		1.47	µg/m ³	1	4/8/2016 12:49 PM

Note:

ALS Environmental**Date: 11-Apr-16****Client:** Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** SS-02**Lab ID:** 16031103-18**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	9.12		1.88	µg/m³	1	4/8/2016 12:49 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m³	1	4/8/2016 12:49 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m³	1	4/8/2016 12:49 PM
Trichloroethene	ND		1.07	µg/m³	1	4/8/2016 12:49 PM
Trichlorofluoromethane	ND		2.81	µg/m³	1	4/8/2016 12:49 PM
Vinyl acetate	ND		1.76	µg/m³	1	4/8/2016 12:49 PM
Vinyl chloride	ND		1.28	µg/m³	1	4/8/2016 12:49 PM
Sum: Bromofluorobenzene	99.5		60-140	%REC	1	4/8/2016 12:49 PM

Note:

ALS Environmental**Date: 11-Apr-16**

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-19
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,2,4-Trimethylbenzene	1.3		0.50	ppbv	1	4/8/2016 01:28 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/8/2016 01:28 PM
2-Butanone	0.90		0.50	ppbv	1	4/8/2016 01:28 PM
2-Hexanone	ND		0.50	ppbv	1	4/8/2016 01:28 PM
2-Propanol	ND		1.0	ppbv	1	4/8/2016 01:28 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Acetone	16		1.0	ppbv	1	4/8/2016 01:28 PM
Benzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Benzyl chloride	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Bromoform	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Bromomethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Carbon disulfide	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Chlorobenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Chloroethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Chloroform	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Chloromethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Cumene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Cyclohexane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Dichlorodifluoromethane	0.52		0.50	ppbv	1	4/8/2016 01:28 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: SS-04

Lab ID: 16031103-19

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Ethylbenzene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Freon 113	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Freon 114	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Heptane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Hexane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
m,p-Xylene	1.4		0.50	ppbv	1	4/8/2016 01:28 PM
Methylene chloride	ND		0.50	ppbv	1	4/8/2016 01:28 PM
MTBE	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Naphthalene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
o-Xylene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Propene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Styrene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Tetrachloroethene	.11		0.50	ppbv	1	4/8/2016 01:28 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Toluene	1.2		0.50	ppbv	1	4/8/2016 01:28 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Trichloroethene	ND		0.20	ppbv	1	4/8/2016 01:28 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Vinyl acetate	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Vinyl chloride	ND		0.50	ppbv	1	4/8/2016 01:28 PM
Sur: Bromofluorobenzene	93.4		60-140	%REC	1	4/8/2016 01:28 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 01:28 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/8/2016 01:28 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 01:28 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 01:28 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 01:28 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/8/2016 01:28 PM
1,2,4-Trimethylbenzene	6.19		2.46	µg/m3	1	4/8/2016 01:28 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/8/2016 01:28 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 01:28 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 01:28 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/8/2016 01:28 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/8/2016 01:28 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/8/2016 01:28 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 01:28 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 01:28 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-19
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/8/2016 01:28 PM
2-Butanone	2.65		1.47	µg/m3	1	4/8/2016 01:28 PM
2-Hexanone	ND		2.05	µg/m3	1	4/8/2016 01:28 PM
2-Propanol	ND		2.46	µg/m3	1	4/8/2016 01:28 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/8/2016 01:28 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/8/2016 01:28 PM
Acetone	37.0		2.38	µg/m3	1	4/8/2016 01:28 PM
Benzene	ND		1.60	µg/m3	1	4/8/2016 01:28 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/8/2016 01:28 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/8/2016 01:28 PM
Bromoform	ND		5.17	µg/m3	1	4/8/2016 01:28 PM
Bromomethane	ND		1.94	µg/m3	1	4/8/2016 01:28 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/8/2016 01:28 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/8/2016 01:28 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/8/2016 01:28 PM
Chloroethane	ND		1.32	µg/m3	1	4/8/2016 01:28 PM
Chloroform	ND		2.44	µg/m3	1	4/8/2016 01:28 PM
Chloromethane	ND		1.03	µg/m3	1	4/8/2016 01:28 PM
cis-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 01:28 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 01:28 PM
Cumene	ND		2.46	µg/m3	1	4/8/2016 01:28 PM
Cyclohexane	ND		1.72	µg/m3	1	4/8/2016 01:28 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/8/2016 01:28 PM
Dichlorodifluoromethane	2.57		2.47	µg/m3	1	4/8/2016 01:28 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/8/2016 01:28 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/8/2016 01:28 PM
Freon 113	ND		3.83	µg/m3	1	4/8/2016 01:28 PM
Freon 114	ND		3.50	µg/m3	1	4/8/2016 01:28 PM
Heptane	ND		2.05	µg/m3	1	4/8/2016 01:28 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/8/2016 01:28 PM
Hexane	ND		1.76	µg/m3	1	4/8/2016 01:28 PM
m,p-Xylene	6.04		2.17	µg/m3	1	4/8/2016 01:28 PM
Methylene chloride	ND		1.74	µg/m3	1	4/8/2016 01:28 PM
MTBE	ND		1.80	µg/m3	1	4/8/2016 01:28 PM
Naphthalene	ND		2.62	µg/m3	1	4/8/2016 01:28 PM
o-Xylene	ND		2.17	µg/m3	1	4/8/2016 01:28 PM
Propene	ND		0.861	µg/m3	1	4/8/2016 01:28 PM
Styrene	ND		2.13	µg/m3	1	4/8/2016 01:28 PM
Tetrachloroethene	72.0		3.39	µg/m3	1	4/8/2016 01:28 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/8/2016 01:28 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-04
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-19
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	4.48		1.88	µg/m3	1	4/8/2016 01:28 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 01:28 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 01:28 PM
Trichloroethene	ND		1.07	µg/m3	1	4/8/2016 01:28 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/8/2016 01:28 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/8/2016 01:28 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/8/2016 01:28 PM
Sum: Bromofluorobenzene	93.4		60-140	%REC	1	4/8/2016 01:28 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-20
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TO-15 BY GC/MS						
1,1,1-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,1,2,2-Tetrachloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,1,2-Trichloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,1-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,1-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,2,4-Trichlorobenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,2,4-Trimethylbenzene	1.6		0.50	ppbv	1	4/8/2016 02:07 PM
1,2-Dibromoethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,2-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,2-Dichloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,2-Dichloropropane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,3,5-Trimethylbenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,3-Butadiene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,3-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,4-Dichlorobenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
1,4-Dioxane	ND		1.0	ppbv	1	4/8/2016 02:07 PM
2-Butanone	ND		0.50	ppbv	1	4/8/2016 02:07 PM
2-Hexanone	ND		0.50	ppbv	1	4/8/2016 02:07 PM
2-Propanol	ND		1.0	ppbv	1	4/8/2016 02:07 PM
4-Ethyltoluene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
4-Methyl-2-pentanone	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Acetone	2.2		1.0	ppbv	1	4/8/2016 02:07 PM
Benzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Benzyl chloride	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Bromodichloromethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Bromoform	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Bromomethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Carbon disulfide	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Carbon tetrachloride	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Chlorobenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Chloroethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Chloroform	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Chloromethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
cis-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
cis-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Cumene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Cyclohexane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Dibromochloromethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Dichlorodifluoromethane	0.56		0.50	ppbv	1	4/8/2016 02:07 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Project: First Presbyterian Church, 20 S. Walnut St. Troy

Work Order: 16031103

Sample ID: SS-07

Lab ID: 16031103-20

Collection Date: 3/30/2016

Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Ethyl acetate	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Ethylbenzene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Freon 113	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Freon 114	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Heptane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Hexachlorobutadiene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Hexane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
m,p-Xylene	1.5		0.50	ppbv	1	4/8/2016 02:07 PM
Methylene chloride	ND		0.50	ppbv	1	4/8/2016 02:07 PM
MTBE	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Naphthalene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
o-Xylene	0.53		0.50	ppbv	1	4/8/2016 02:07 PM
Propene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Styrene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Tetrachloroethene	1.1		0.50	ppbv	1	4/8/2016 02:07 PM
Tetrahydrofuran	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Toluene	1.1		0.50	ppbv	1	4/8/2016 02:07 PM
trans-1,2-Dichloroethene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
trans-1,3-Dichloropropene	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Trichloroethene	ND		0.20	ppbv	1	4/8/2016 02:07 PM
Trichlorofluoromethane	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Vinyl acetate	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Vinyl chloride	ND		0.50	ppbv	1	4/8/2016 02:07 PM
Sum: Bromofluorobenzene	101		60-140	%REC	1	4/8/2016 02:07 PM
TO-15 BY GC/MS			ETO-15			Analyst: MRJ
1,1,1-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 02:07 PM
1,1,2,2-Tetrachloroethane	ND		3.43	µg/m3	1	4/8/2016 02:07 PM
1,1,2-Trichloroethane	ND		2.73	µg/m3	1	4/8/2016 02:07 PM
1,1-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 02:07 PM
1,1-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 02:07 PM
1,2,4-Trichlorobenzene	ND		3.71	µg/m3	1	4/8/2016 02:07 PM
1,2,4-Trimethylbenzene	8.11		2.46	µg/m3	1	4/8/2016 02:07 PM
1,2-Dibromoethane	ND		3.84	µg/m3	1	4/8/2016 02:07 PM
1,2-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 02:07 PM
1,2-Dichloroethane	ND		2.02	µg/m3	1	4/8/2016 02:07 PM
1,2-Dichloropropane	ND		2.31	µg/m3	1	4/8/2016 02:07 PM
1,3,5-Trimethylbenzene	ND		2.46	µg/m3	1	4/8/2016 02:07 PM
1,3-Butadiene	ND		1.11	µg/m3	1	4/8/2016 02:07 PM
1,3-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 02:07 PM
1,4-Dichlorobenzene	ND		3.01	µg/m3	1	4/8/2016 02:07 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
Sample ID: SS-07
Collection Date: 3/30/2016

Work Order: 16031103
Lab ID: 16031103-20
Matrix: AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
1,4-Dioxane	ND		3.60	µg/m3	1	4/8/2016 02:07 PM
2-Butanone	ND		1.47	µg/m3	1	4/8/2016 02:07 PM
2-Hexanone	ND		2.05	µg/m3	1	4/8/2016 02:07 PM
2-Propanol	ND		2.46	µg/m3	1	4/8/2016 02:07 PM
4-Ethyltoluene	ND		2.46	µg/m3	1	4/8/2016 02:07 PM
4-Methyl-2-pentanone	ND		2.05	µg/m3	1	4/8/2016 02:07 PM
Acetone	5.15		2.38	µg/m3	1	4/8/2016 02:07 PM
Benzene	ND		1.60	µg/m3	1	4/8/2016 02:07 PM
Benzyl chloride	ND		2.59	µg/m3	1	4/8/2016 02:07 PM
Bromodichloromethane	ND		3.35	µg/m3	1	4/8/2016 02:07 PM
Bromoform	ND		5.17	µg/m3	1	4/8/2016 02:07 PM
Bromomethane	ND		1.94	µg/m3	1	4/8/2016 02:07 PM
Carbon disulfide	ND		1.56	µg/m3	1	4/8/2016 02:07 PM
Carbon tetrachloride	ND		3.15	µg/m3	1	4/8/2016 02:07 PM
Chlorobenzene	ND		2.30	µg/m3	1	4/8/2016 02:07 PM
Chloroethane	ND		1.32	µg/m3	1	4/8/2016 02:07 PM
Chloroform	ND		2.44	µg/m3	1	4/8/2016 02:07 PM
Chloromethane	ND		1.03	µg/m3	1	4/8/2016 02:07 PM
cis-1,2-Dichloroethylene	ND		1.98	µg/m3	1	4/8/2016 02:07 PM
cis-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 02:07 PM
Cumene	ND		2.46	µg/m3	1	4/8/2016 02:07 PM
Cyclohexane	ND		1.72	µg/m3	1	4/8/2016 02:07 PM
Dibromochloromethane	ND		4.26	µg/m3	1	4/8/2016 02:07 PM
Dichlorodifluoromethane	2.77		2.47	µg/m3	1	4/8/2016 02:07 PM
Ethyl acetate	ND		1.80	µg/m3	1	4/8/2016 02:07 PM
Ethylbenzene	ND		2.17	µg/m3	1	4/8/2016 02:07 PM
Freon 113	ND		3.83	µg/m3	1	4/8/2016 02:07 PM
Freon 114	ND		3.50	µg/m3	1	4/8/2016 02:07 PM
Heptane	ND		2.05	µg/m3	1	4/8/2016 02:07 PM
Hexachlorobutadiene	ND		5.33	µg/m3	1	4/8/2016 02:07 PM
Hexane	ND		1.76	µg/m3	1	4/8/2016 02:07 PM
m,p-Xylene	6.56		2.17	µg/m3	1	4/8/2016 02:07 PM
Methylene chloride	ND		1.74	µg/m3	1	4/8/2016 02:07 PM
MTBE	ND		1.80	µg/m3	1	4/8/2016 02:07 PM
Naphthalene	ND		2.62	µg/m3	1	4/8/2016 02:07 PM
o-Xylene	2.30		2.17	µg/m3	1	4/8/2016 02:07 PM
Propene	ND		0.861	µg/m3	1	4/8/2016 02:07 PM
Styrene	ND		2.13	µg/m3	1	4/8/2016 02:07 PM
Tetrachloroethylene	7.46		3.39	µg/m3	1	4/8/2016 02:07 PM
Tetrahydrofuran	ND		1.47	µg/m3	1	4/8/2016 02:07 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA**Project:** First Presbyterian Church, 20 S. Walnut St. Troy**Work Order:** 16031103**Sample ID:** SS-07**Lab ID:** 16031103-20**Collection Date:** 3/30/2016**Matrix:** AIR

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Toluene	4.22		1.88	µg/m3	1	4/8/2016 02:07 PM
trans-1,2-Dichloroethene	ND		1.98	µg/m3	1	4/8/2016 02:07 PM
trans-1,3-Dichloropropene	ND		2.27	µg/m3	1	4/8/2016 02:07 PM
Trichloroethene	ND		1.07	µg/m3	1	4/8/2016 02:07 PM
Trichlorofluoromethane	ND		2.81	µg/m3	1	4/8/2016 02:07 PM
Vinyl acetate	ND		1.76	µg/m3	1	4/8/2016 02:07 PM
Vinyl chloride	ND		1.28	µg/m3	1	4/8/2016 02:07 PM
<i>Surrogate:</i> Bromofluorobenzene	101		60-140	%REC	1	4/8/2016 02:07 PM

Note:

ALS Environmental

Date: 11-Apr-16

Client: Ohio EPA

Work Order: 16031103

Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127680		Instrument ID: VMS3		Method: ETO-15							
Mblk	Sample ID: MBLK-R127680					Units: ppbv	Analysis Date: 4/7/2016 11:54 AM				
Client ID:		Run ID: VMS3_160407A		SeqNo: 1257268		Prep Date:	DF: 1				
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane		ND	0.50								
1,1,2,2-Tetrachloroethane		ND	0.50								
1,1,2-Trichloroethane		ND	0.50								
1,1-Dichloroethane		ND	0.50								
1,1-Dichloroethene		ND	0.50								
1,2,4-Trichlorobenzene		ND	0.50								
1,2,4-Trimethylbenzene		ND	0.50								
1,2-Dibromoethane		ND	0.50								
1,2-Dichlorobenzene		ND	0.50								
1,2-Dichloroethane		ND	0.50								
1,2-Dichloropropane		ND	0.50								
1,3,5-Trimethylbenzene		ND	0.50								
1,3-Butadiene		ND	0.50								
1,3-Dichlorobenzene		ND	0.50								
1,4-Dichlorobenzene		ND	0.50								
1,4-Dioxane		ND	1.0								
2-Butanone		ND	0.50								
2-Hexanone		ND	0.50								
2-Propanol		ND	1.0								
4-Ethyltoluene		ND	0.50								
4-Methyl-2-pentanone		ND	0.50								
Acetone		ND	1.0								
Benzene		ND	0.50								
Benzyl chloride		ND	0.50								
Bromodichloromethane		ND	0.50								
Bromoform		ND	0.50								
Bromomethane		ND	0.50								
Carbon disulfide		ND	0.50								
Carbon tetrachloride		ND	0.50								
Chlorobenzene		ND	0.50								
Chloroethane		ND	0.50								
Chloroform		ND	0.50								
Chloromethane		ND	0.50								
cis-1,2-Dichloroethene		ND	0.50								
cis-1,3-Dichloropropene		ND	0.50								
Cumene		ND	0.50								
Cyclohexane		ND	0.50								
Dibromochloromethane		ND	0.50								
Dichlorodifluoromethane		ND	0.50								
Ethyl acetate		ND	0.50								
Ethylbenzene		ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 8

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID:	R127680	Instrument ID:	VMS3	Method:	ETO-15	
Freon 113		ND	0.50			
Freon 114		ND	0.50			
Heptane		ND	0.50			
Hexachlorobutadiene		ND	0.50			
Hexane		ND	0.50			
m,p-Xylene		ND	0.50			
Methylene chloride		ND	0.50			
MTBE		ND	0.50			
Naphthalene		ND	0.50			
o-Xylene		ND	0.50			
Propene		ND	0.50			
Styrene		ND	0.50			
Tetrachloroethene		ND	0.50			
Tetrahydrofuran		ND	0.50			
Toluene		ND	0.50			
trans-1,2-Dichloroethene		ND	0.50			
trans-1,3-Dichloropropene		ND	0.50			
Trichloroethene		ND	0.20			
Trichlorofluoromethane		ND	0.50			
Vinyl acetate		ND	0.50			
Vinyl chloride		ND	0.50			
<i>Surr: Bromofluorobenzene</i>	8.86	0	10	0	88.6	60-140
						0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127680 Instrument ID: VMS3 Method: ETO-15

LCS	Sample ID: LCS-R127680	Units: ppbv				Analysis Date: 4/7/2016 11:15 AM				
Client ID:		Run ID: VMS3_160407A		SeqNo: 1257267		Prep Date:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	9.83	0.50	10	0	98.3	58.8-163		0		
1,1,2,2-Tetrachloroethane	9.92	0.50	10	0	99.2	60-140		0		
1,1,2-Trichloroethane	9.42	0.50	10	0	94.2	60-140		0		
1,1-Dichloroethane	9.55	0.50	10	0	95.5	60-140		0		
1,1-Dichloroethene	9.62	0.50	10	0	96.2	60-140		0		
1,2,4-Trichlorobenzene	9.74	0.50	10	0	97.4	49.3-150		0		
1,2,4-Trimethylbenzene	10.74	0.50	10	0	107	50.1-162		0		
1,2-Dibromoethane	9.78	0.50	10	0	97.8	60-140		0		
1,2-Dichlorobenzene	10.24	0.50	10	0	102	41.9-141		0		
1,2-Dichloroethane	10.16	0.50	10	0	102	60-140		0		
1,2-Dichloropropane	9.49	0.50	10	0	94.9	60-140		0		
1,3,5-Trimethylbenzene	10.53	0.50	10	0	105	60-140		0		
1,3-Butadiene	10.99	0.50	10	0	110	50.6-140		0		
1,3-Dichlorobenzene	10.11	0.50	10	0	101	60-140		0		
1,4-Dichlorobenzene	10.15	0.50	10	0	102	55.1-145		0		
1,4-Dioxane	10.4	1.0	10	0	104	60-140		0		
2-Butanone	9.78	0.50	10	0	97.8	60-140		0		
2-Hexanone	10.95	0.50	10	0	110	56.2-162		0		
2-Propanol	8.66	1.0	10	0	86.6	60-140		0		
4-Ethyltoluene	10.27	0.50	10	0	103	60-140		0		
4-Methyl-2-pentanone	10.1	0.50	10	0	101	60-140		0		
Acetone	9.45	1.0	10	0	94.5	60-140		0		
Benzene	9.85	0.50	10	0	98.5	60-140		0		
Benzyl chloride	9.46	0.50	10	0	94.6	31.9-174		0		
Bromodichloromethane	10.35	0.50	10	0	104	60-140		0		
Bromoform	9.67	0.50	10	0	96.7	60-140		0		
Bromomethane	9.61	0.50	10	0	96.1	60-140		0		
Carbon disulfide	9.63	0.50	10	0	96.3	60-140		0		
Carbon tetrachloride	10.04	0.50	10	0	100	60-140		0		
Chlorobenzene	8.97	0.50	10	0	89.7	60-140		0		
Chloroethane	9.16	0.50	10	0	91.6	60-140		0		
Chloroform	9.69	0.50	10	0	96.9	60-140		0		
Chloromethane	9.46	0.50	10	0	94.6	60-140		0		
cis-1,2-Dichloroethene	9.68	0.50	10	0	96.8	60-140		0		
cis-1,3-Dichloropropene	9.56	0.50	10	0	95.6	60-140		0		
Cumene	14.67	0.50	10	0	147	60-140		0		S
Cyclohexane	10.45	0.50	10	0	104	60-140		0		
Dibromochloromethane	10.11	0.50	10	0	101	60-140		0		
Dichlorodifluoromethane	10.38	0.50	10	0	104	60-140		0		
Ethyl acetate	10.78	0.50	10	0	108	60-140		0		
Ethylbenzene	9.61	0.50	10	0	96.1	60-140		0		
Freon 113	9.62	0.50	10	0	96.2	60-140		0		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127680	Instrument ID: VMS3	Method: ETO-15					
Freon 114	9.89	0.50	10	0	98.9	60-140	0
Heptane	10	0.50	10	0	100	60-140	0
Hexachlorobutadiene	11.13	0.50	10	0	111	60-140	0
Hexane	9.45	0.50	10	0	94.5	60-140	0
m,p-Xylene	19.8	0.50	20	0	99	60-140	0
Methylene chloride	8.31	0.50	10	0	83.1	60-140	0
MTBE	9.24	0.50	10	0	92.4	60.8-151	0
o-Xylene	10.14	0.50	10	0	101	60-140	0
Propene	9.56	0.50	10	0	95.6	34.4-139	0
Styrene	9.68	0.50	10	0	96.8	60-140	0
Tetrachloroethene	10.4	0.50	10	0	104	60-140	0
Tetrahydrofuran	9.78	0.50	10	0	97.8	60-140	0
Toluene	9.63	0.50	10	0	96.3	60-140	0
trans-1,2-Dichloroethene	9.25	0.50	10	0	92.5	60-140	0
trans-1,3-Dichloropropene	9.39	0.50	10	0	93.9	60-140	0
Trichloroethene	9.68	0.20	10	0	96.8	60-140	0
Trichlorofluoromethane	9.84	0.50	10	0	98.4	60-140	0
Vinyl acetate	7.96	0.50	10	0	79.6	48.4-145	0
Vinyl chloride	10.41	0.50	10	0	104	60-140	0
<i>Sur. Bromofluorobenzene</i>	9.86	0	10	0	98.6	60-140	0

The following samples were analyzed in this batch:

16031103-01A	16031103-02A	16031103-03A
16031103-04A	16031103-05A	16031103-06A
16031103-07A	16031103-08A	16031103-09A
16031103-10A	16031103-11A	16031103-13A
16031103-14A	16031103-15A	16031103-16A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 4 of 8

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127730 Instrument ID: VMS3 Method: ETO-15

MBLK	Sample ID: MBLK-R127730	Units: ppbv			Analysis Date: 4/8/2016 11:32 AM					
Client ID:	Run ID: VMS3_160408A	SeqNo: 1258313			Prep Date: DF: 1					
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	ND	0.50								
1,1,2,2-Tetrachloroethane	ND	0.50								
1,1,2-Trichloroethane	ND	0.50								
1,1-Dichloroethane	ND	0.50								
1,1-Dichloroethene	ND	0.50								
1,2,4-Trichlorobenzene	ND	0.50								
1,2,4-Trimethylbenzene	ND	0.50								
1,2-Dibromoethane	ND	0.50								
1,2-Dichlorobenzene	ND	0.50								
1,2-Dichloroethane	ND	0.50								
1,2-Dichloropropane	ND	0.50								
1,3,5-Trimethylbenzene	ND	0.50								
1,3-Butadiene	ND	0.50								
1,3-Dichlorobenzene	ND	0.50								
1,4-Dichlorobenzene	ND	0.50								
1,4-Dioxane	ND	1.0								
2-Butanone	ND	0.50								
2-Hexanone	ND	0.50								
2-Propanol	ND	1.0								
4-Ethyltoluene	ND	0.50								
4-Methyl-2-pentanone	ND	0.50								
Acetone	ND	1.0								
Benzene	ND	0.50								
Benzyl chloride	ND	0.50								
Bromodichloromethane	ND	0.50								
Bromoform	ND	0.50								
Bromomethane	ND	0.50								
Carbon disulfide	ND	0.50								
Carbon tetrachloride	ND	0.50								
Chlorobenzene	ND	0.50								
Chloroethane	ND	0.50								
Chloroform	ND	0.50								
Chloromethane	ND	0.50								
cis-1,2-Dichloroethene	ND	0.50								
cis-1,3-Dichloropropene	ND	0.50								
Cumene	ND	0.50								
Cyclohexane	ND	0.50								
Dibromochloromethane	ND	0.50								
Dichlorodifluoromethane	ND	0.50								
Ethyl acetate	ND	0.50								
Ethylbenzene	ND	0.50								
Freon 113	ND	0.50								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127730	Instrument ID: VMS3	Method: ETO-15				
Freon 114	ND	0.50				
Heptane	ND	0.50				
Hexachlorobutadiene	ND	0.50				
Hexane	ND	0.50				
m,p-Xylene	ND	0.50				
Methylene chloride	ND	0.50				
MTBE	ND	0.50				
Naphthalene	ND	0.50				
o-Xylene	ND	0.50				
Propene	ND	0.50				
Styrene	ND	0.50				
Tetrachloroethene	ND	0.50				
Tetrahydrofuran	ND	0.50				
Toluene	ND	0.50				
trans-1,2-Dichloroethene	ND	0.50				
trans-1,3-Dichloropropene	ND	0.50				
Trichloroethene	ND	0.20				
Trichlorofluoromethane	ND	0.50				
Vinyl acetate	ND	0.50				
Vinyl chloride	ND	0.50				
Surr: Bromofluorobenzene	8.7	0	10	0	87	60-140
						0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 6 of 8

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127730 Instrument ID: VMS3 Method: ETO-15

LCS	Sample ID: LCS-R127730	Units: ppbv				Analysis Date: 4/8/2016 10:55 AM				
Client ID:		Run ID: VMS3_160408A		SeqNo: 1258312		Prep Date:		DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD Limit	Qual
1,1,1-Trichloroethane		9.92	0.50	10	0	99.2	58.8-163	0	0	
1,1,2,2-Tetrachloroethane		9.67	0.50	10	0	96.7	60-140	0	0	
1,1,2-Trichloroethane		9.41	0.50	10	0	94.1	60-140	0	0	
1,1-Dichloroethane		9.92	0.50	10	0	99.2	60-140	0	0	
1,1-Dichloroethene		9.73	0.50	10	0	97.3	60-140	0	0	
1,2,4-Trichlorobenzene		10.33	0.50	10	0	103	49.3-150	0	0	
1,2,4-Trimethylbenzene		10.49	0.50	10	0	105	50.1-162	0	0	
1,2-Dibromoethane		9.96	0.50	10	0	99.6	60-140	0	0	
1,2-Dichlorobenzene		10.05	0.50	10	0	100	41.9-141	0	0	
1,2-Dichloroethane		10.25	0.50	10	0	102	60-140	0	0	
1,2-Dichloropropane		9.56	0.50	10	0	95.6	60-140	0	0	
1,3,5-Trimethylbenzene		10.21	0.50	10	0	102	60-140	0	0	
1,3-Butadiene		11.93	0.50	10	0	119	50.6-140	0	0	
1,3-Dichlorobenzene		9.96	0.50	10	0	99.6	60-140	0	0	
1,4-Dichlorobenzene		10.04	0.50	10	0	100	55.1-145	0	0	
1,4-Dioxane		9.73	1.0	10	0	97.3	60-140	0	0	
2-Butanone		10.05	0.50	10	0	100	60-140	0	0	
2-Hexanone		10.31	0.50	10	0	103	56.2-162	0	0	
2-Propanol		8.63	1.0	10	0	86.3	60-140	0	0	
4-Ethyltoluene		9.94	0.50	10	0	99.4	60-140	0	0	
4-Methyl-2-pentanone		9.78	0.50	10	0	97.8	60-140	0	0	
Acetone		9.02	1.0	10	0	90.2	60-140	0	0	
Benzene		10.18	0.50	10	0	102	60-140	0	0	
Benzyl chloride		9.01	0.50	10	0	90.1	31.9-174	0	0	
Bromodichloromethane		10.37	0.50	10	0	104	60-140	0	0	
Bromoform		9.63	0.50	10	0	96.3	60-140	0	0	
Bromomethane		10.24	0.50	10	0	102	60-140	0	0	
Carbon disulfide		10.08	0.50	10	0	101	60-140	0	0	
Carbon tetrachloride		10.25	0.50	10	0	102	60-140	0	0	
Chlorobenzene		8.87	0.50	10	0	88.7	60-140	0	0	
Chloroethane		10.06	0.50	10	0	101	60-140	0	0	
Chloroform		9.93	0.50	10	0	99.3	60-140	0	0	
Chloromethane		9.85	0.50	10	0	98.5	60-140	0	0	
cis-1,2-Dichloroethene		10.06	0.50	10	0	101	60-140	0	0	
cis-1,3-Dichloropropene		9.52	0.50	10	0	95.2	60-140	0	0	
Cumene		14.72	0.50	10	0	147	60-140	0	0	S
Cyclohexane		10.46	0.50	10	0	105	60-140	0	0	
Dibromochloromethane		10.33	0.50	10	0	103	60-140	0	0	
Dichlorodifluoromethane		10.47	0.50	10	0	105	60-140	0	0	
Ethyl acetate		10.39	0.50	10	0	104	60-140	0	0	
Ethylbenzene		9.41	0.50	10	0	94.1	60-140	0	0	
Freon 113		10.19	0.50	10	0	102	60-140	0	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 7 of 8

Client: Ohio EPA
Work Order: 16031103
Project: First Presbyterian Church, 20 S. Walnut St. Troy

QC BATCH REPORT

Batch ID: R127730	Instrument ID: VMS3	Method: ETO-15					
Freon 114	10.29	0.50	10	0	103	60-140	0
Heptane	10.16	0.50	10	0	102	60-140	0
Hexachlorobutadiene	11.66	0.50	10	0	117	60-140	0
Hexane	9.63	0.50	10	0	96.3	60-140	0
m,p-Xylene	19.41	0.50	20	0	97	60-140	0
Methylene chloride	8.61	0.50	10	0	86.1	60-140	0
MTBE	9.29	0.50	10	0	92.9	60.8-151	0
o-Xylene	10.04	0.50	10	0	100	60-140	0
Propene	10.03	0.50	10	0	100	34.4-139	0
Styrene	9.57	0.50	10	0	95.7	60-140	0
Tetrachloroethene	10.37	0.50	10	0	104	60-140	0
Tetrahydrofuran	9.55	0.50	10	0	95.5	60-140	0
Toluene	9.93	0.50	10	0	99.3	60-140	0
trans-1,2-Dichloroethene	9.82	0.50	10	0	98.2	60-140	0
trans-1,3-Dichloropropene	8.91	0.50	10	0	89.1	60-140	0
Trichloroethene	9.85	0.20	10	0	98.5	60-140	0
Trichlorofluoromethane	10.13	0.50	10	0	101	60-140	0
Vinyl acetate	7.82	0.50	10	0	78.2	48.4-145	0
Vinyl chloride	10.72	0.50	10	0	107	60-140	0
<i>Surrogate: Bromofluorobenzene</i>	9.91	0	10	0	99.1	60-140	0

The following samples were analyzed in this batch:

16031103-12A	16031103-17A	16031103-18A
16031103-19A	16031103-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Ohio EPA
Project: First Presbyterian Church, 20 S. Walnut St. Troy
WorkOrder: 16031103

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
$\mu\text{g}/\text{m}^3$	
ppbv	

ALS Environmental

Sample Receipt Checklist

Client Name: OHIOEPA-DAYTON

Date/Time Received: 31-Mar-16 14:54

Work Order: 16031103

Received by: JNW

Checklist completed by: Jan Wilcox

eSignature

31-Mar-16

Date

Reviewed by: Rob Nieman

eSignature

04-Apr-16

Date

Matrices:

Carrier name: ALSHN

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted?

pH adjusted by:

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 1 of 2 26187

16031103

Date: 03/30/16 Purchase Order No.: _____
 Company Name: Ohio EPA Project No.: _____
 Address: 461 E. 5th St. Sampling Site: First Presbyterian
Dayton OH church, 20 S. Walnut St., Troy
 City State Zip
 Person to Contact: Mardie Adams / Wendy Vorwerk Billing Address (if different): _____
 Email Address: Madelyn.Adamsr@epn.ohio.gov
 Telephone (937): 285-6456

Alternate Contact: _____

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED
01	IA - 05	03/30/16	1550	✓			
02	IA - 06	1555	✓			
03	IA - 02	1600	✓			
04	SS - 01	1605	✓			
05	IA - 03	1610	✓			
06	IA - 03 Dup	1610	✓			
07	Ambient	1615	✓			
08	SS - 06	1620	✓			
09	IA - 08	1625	✓			
10	SS - 09	1627	✓			

Notes:

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₄ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
<u>Madelyn Adams</u>	1240 3/31/16	<u>Christie Free</u>	3/31/16
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
<u>Christie Free</u>	3/31/16 1454	<u>Linda</u>	3/31/16 1454
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY			
COOLER TEMP:	°C	pH ADJUSTMENTS:	
COOLING METHOD: <input checked="" type="checkbox"/> COOLER <input type="checkbox"/> WET ICE <input type="checkbox"/> DRY ICE <input type="checkbox"/> ICE PACK			
DELIVERY METHOD: <input type="checkbox"/> CLIENT <input type="checkbox"/> DROP BOX <input type="checkbox"/> FEDEX <input type="checkbox"/> UPS			
STD MAIL <input type="checkbox"/> PRTY MAIL <input checked="" type="checkbox"/> ALS COURIER <input type="checkbox"/> OTHER: _____			
CUSTODY SEALS: <input checked="" type="checkbox"/> NONE <input type="checkbox"/> COOLER <input type="checkbox"/> PACKAGE <input type="checkbox"/> SAMPLES			
EQUIP. RETURNED: _____			



Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 2 of 2

26190

16031103

Date: 03/30/16 Purchase Order No.: _____
Company Name: Ohio EPA Project No.: _____
Address: 401 E. 5th St. Sampling Site: First Presbyterian
Dayton OH church, 20 S. Walnut St., Troy
City _____ State _____ Zip _____
Person to Contact: Maddie Adams Billing Address (if different): _____
Email Address: Madelyn.Adams@EPA.ohio.gov
Telephone (937): 285 - 6456

Alternate Contact: Wendy Vorwerk

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	ANALYSIS REQUESTED									
							TO - 15 VAP									
11	IA - 01	03/30/16	1630				✓									
12	SS - 03	"	1635				✓									
13	IA - 07	"	1640				✓									
14	IA - 04	"	1643				✓									
15	SS - 08	"	1645				✓									
16	IA - 09	"	1650				✓									
17	SS - 05	"	1655				✓									
18	SS - 02	"	1700				✓									
19	SS - 04	"	1700				✓									
20	SS - 07	"	1705				✓									

Notes:

Preservation Key: 1 - HCl 2 - HNO₃ 3 - H₂SO₄ 4 - NaOH 5 - Na₂S₂O₃ 6 - NaHSO₃ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature) <u>Madelyn Adams</u>	Time / Date <u>12:40 3/31/16</u>	Received By: (Signature) <u>Christie Free</u>	Time / Date <u>3/31/16 1238</u>
Relinquished By: (Signature) <u>Christie Free</u>	Time / Date <u>3/31/16 1454</u>	Received By: (Signature) <u>Madelyn Adams</u>	Time / Date <u>3/31/16 1454</u>
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY				
COOLER TEMP:	°C	pH ADJUSTMENTS:		
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK				
DELIVERY METHOD:	CLIENT	DROP BOX	FEDEX	UPS
STD MAIL	FRTY MAIL	ALS COURIER	OTHER:	
CUSTODY SEALS:	NONE	COOLER	PACKAGE	SAMPLES
EQUIP. RETURNED:				